Dynamic Maps® 3000

CA3000 USER MANUAL

Continental Access
A Napco Security Group Company

DATE: 05/25/2007

SOFTWARE VERSION AND BUILD: VERSION 1.0 AND HIGHER

DOCUMENT PERTAINS TO: PROGRAMMING

Dynamic Maps® 3000

Configuration

The configuration for Dynamic Maps is set through the CardAccess Database Utilities. In most cases there will be no need to make any additional changes for Dynamic Maps.

Running CardAccess Database Utilities

Follow the steps below as shown in Figure 1:

1. Click on the **Start** button on the bottom of the screen.
2. Click on the **Programs** group.
3. Click on the **CardAccess 3000** group.
4. Click on the **Tools** group.
5. Click on the **CardAccess Database Utilities** menu choice.

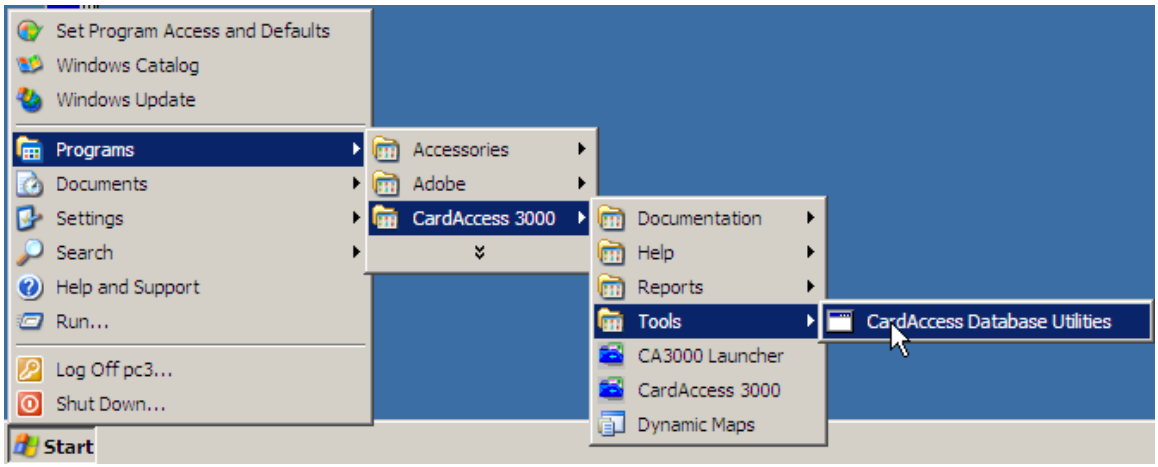

Figure 1

The CardAccess 3000 Database Utilities screen will show with the Database Connection tab selected as shown in Figure 2. The settings on this tab are those used by Dynamic Maps

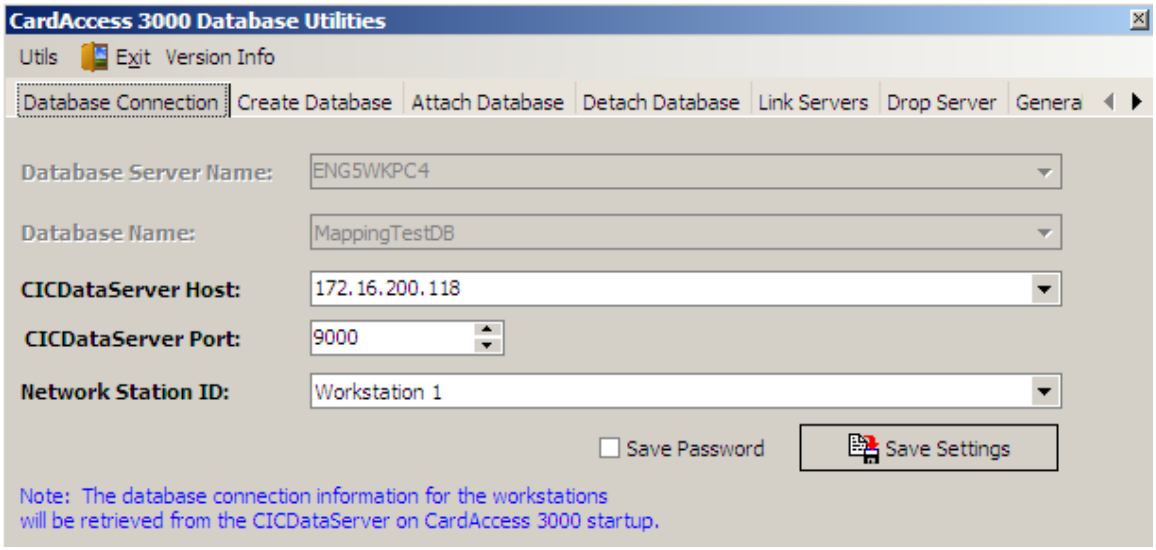

Figure 2

If changes are made click on the **Save Settings** button and a confirmation dialog will display indicating that your settings have been saved as shown in Figure 3.

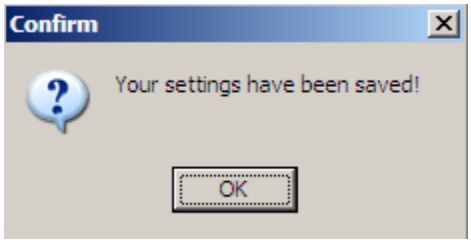

Figure 3

To exit the CardAccess3000 Database Utilities click on the **Exit** button on the top of the screen.

Running Dynamic Maps

Dynamic Maps is a windows application and can be executed in any of the ways a standard Windows application is run.

Starting Dynamic Maps

Follow the steps below as shown in Figure 4:

1. Click on the **Start** button on the bottom of the screen.
2. Click on the **Programs** group.
3. Click on the **CardAccess 3000** group.
4. Click on the **CardAccess Mapping System** menu choice.

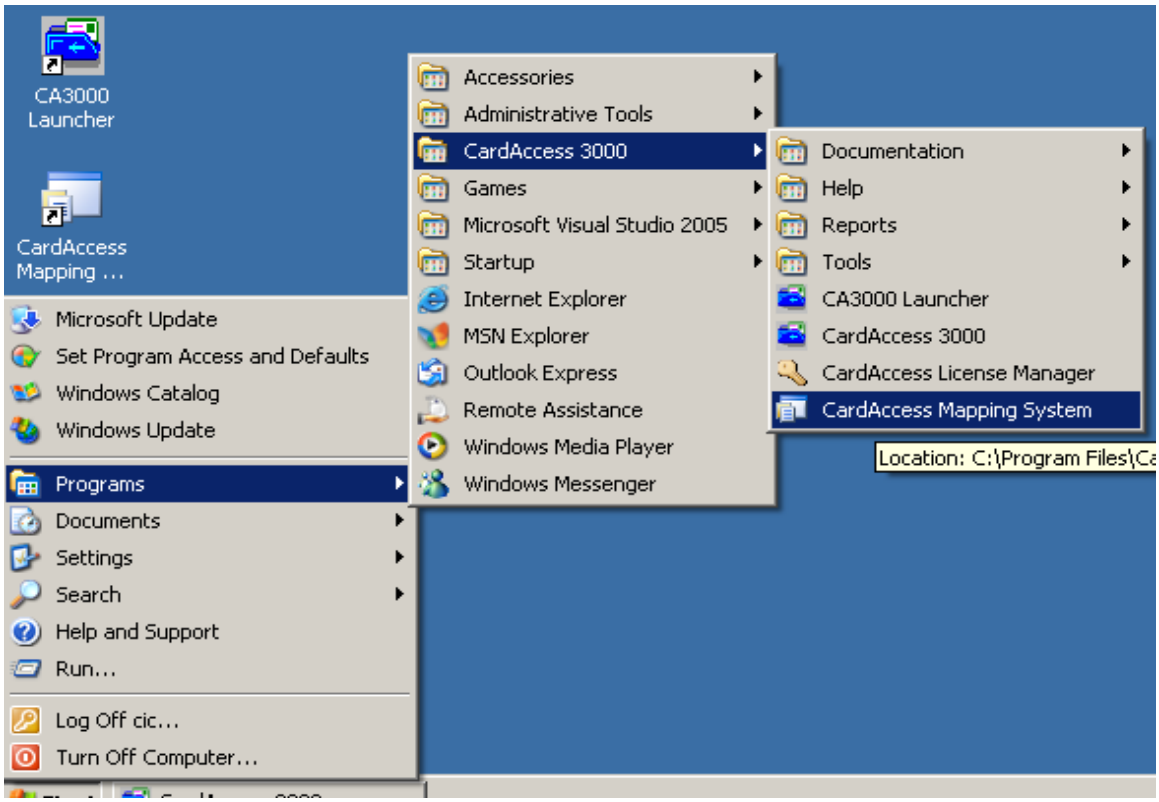

Figure 4

This will bring up the login screen as shown in Figure 5. Enter a valid User Name and Password and click on the **Login** button. If you wish to exit the application, click on the **Shutdown** button.

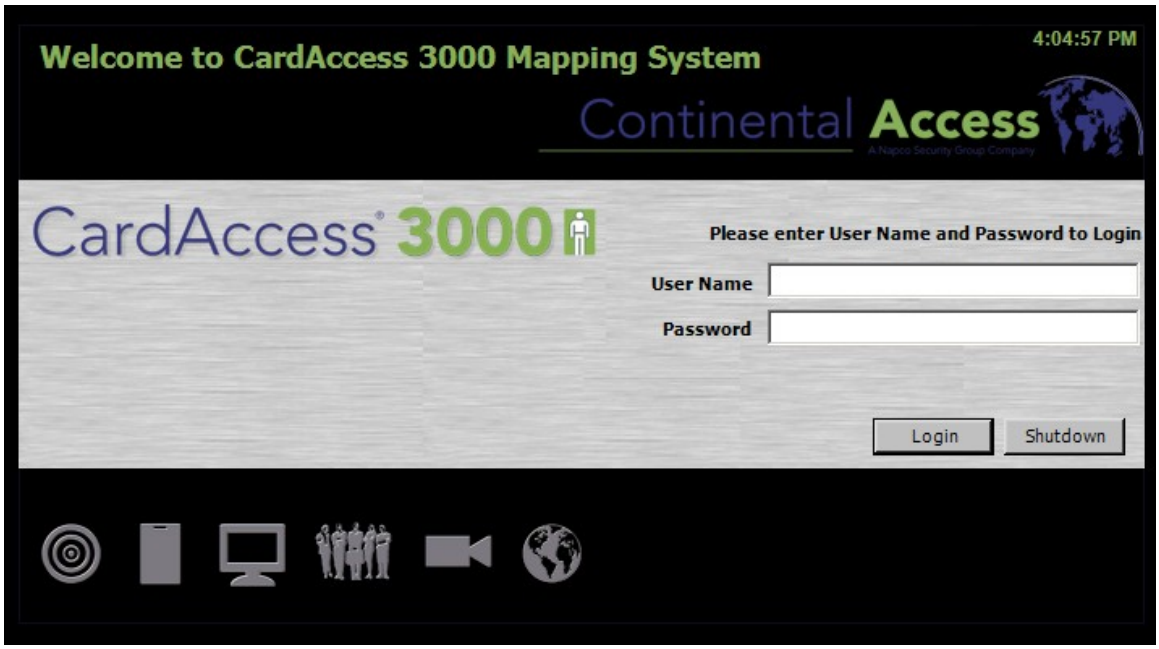

Figure 5

Upon validation of the User Name and password entered, the Dynamic Maps application will appear with the Pending Alerts screen showing as shown in Figure 6. This is the main screen of the application.

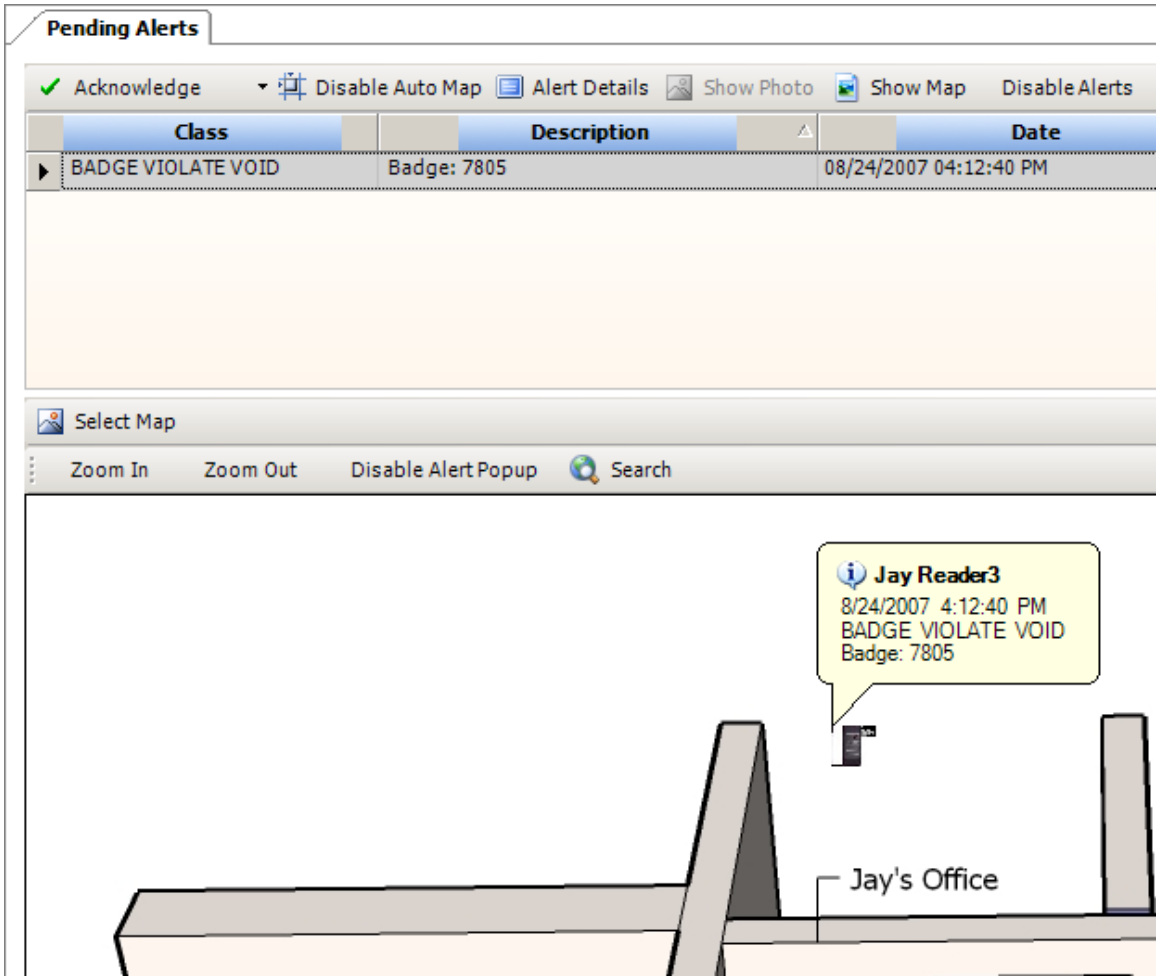

Figure 6

Pending Alerts Screen

The main screen in the Dynamic Maps application is the Pending Alerts screen. Real-Time alerts are received and the details are displayed in the grid on the top portion of the screen. A map displaying the device that generated the alert is displayed in the bottom half of the screen. Details for the alert are displayed above the icon for the device in the map. Alert details displayed in the grid are Class, Description, Date, Location, and priority.

Disabling Alerts

If it is necessary to disable the receiving of alerts, click on the **Disable Alerts** button. The caption of the button will change to Enable Alerts as shown in Figure 6A. To start receiving alerts click on the **Enable Alerts** button.

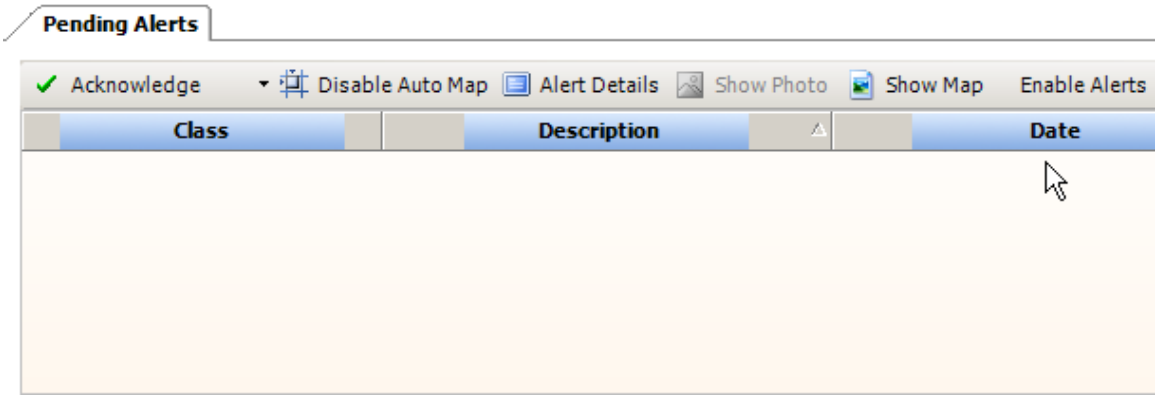

Figure 6A

Closing the Pending Alerts Screen

If you do not wish to display the Pending Alerts screen you can follow these steps to close it as shown in Figure 7.

1. Right click on the **Pending Alerts** tab
2. Click on the **Close** menu choice.

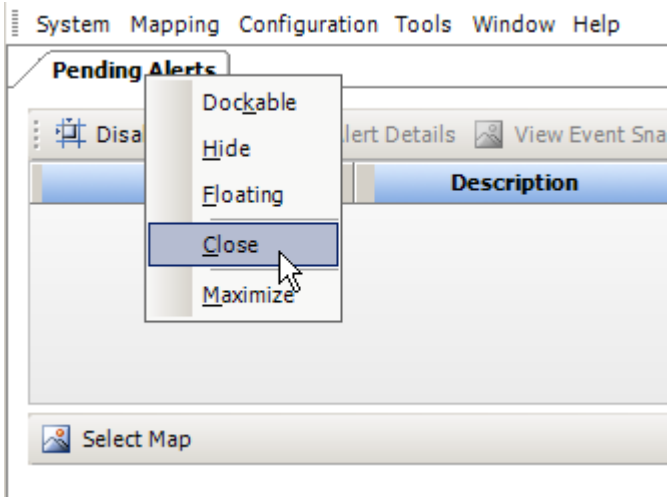

Figure 7

Logging Off

Follow the steps below as shown in Figure 8:

1. Click on the **System** menu at the top of the screen.
2. Click on the **Log Off** menu choice.

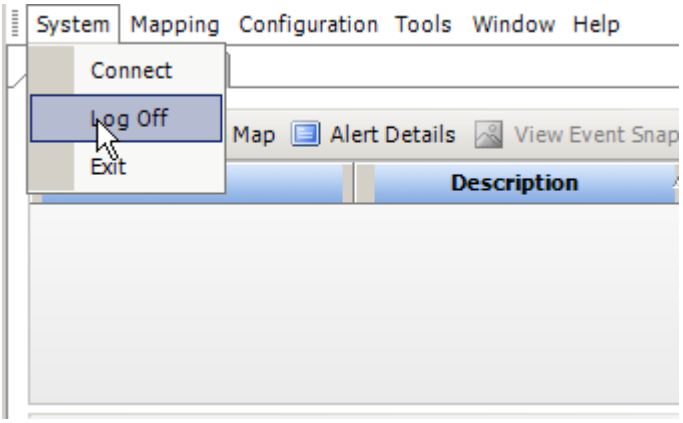

Figure 8

This will bring you back to the login screen as shown above in Figure 5. If you wish to exit the application, click on the **Shutdown** button.

Mapping

Dynamic Maps can be run with the Real-Time Alerts showing in a grid with the details and the map on the same screen, or as a map that fills the entire screen.

Monitor Map

To monitor a map that fills the entire screen, perform the following steps as shown in Figures 9 and 10:

1. Click on the **Mapping** menu at the top of the screen.
2. Click on the **Monitor Map** menu choice.
3. Choose a map from the **Select Map** dialog box as shown in Figure 10.
4. Click on the **Ok** button.

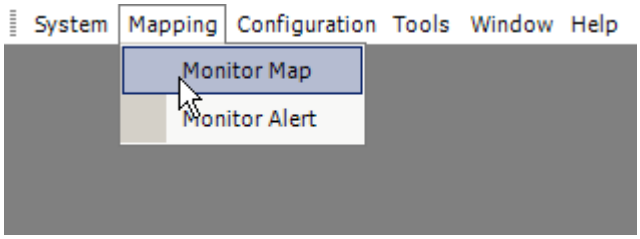

Figure 9

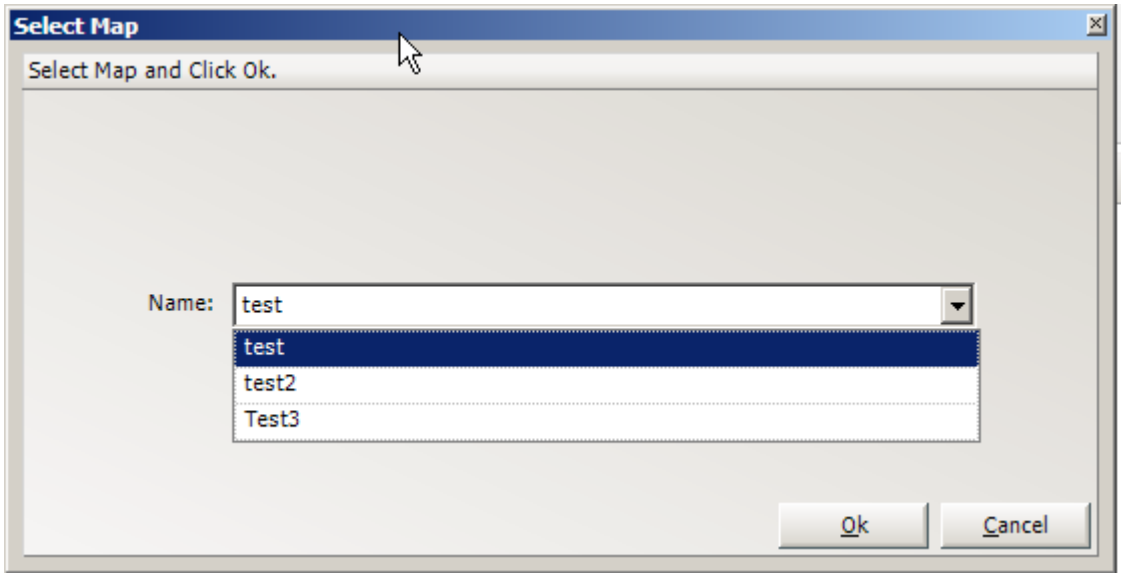

Figure 10

This will display the selected map dialog box as shown in Figure 10. Select the map and click on the **Ok** button. You will see the map displayed on the screen as shown in Figure 11.

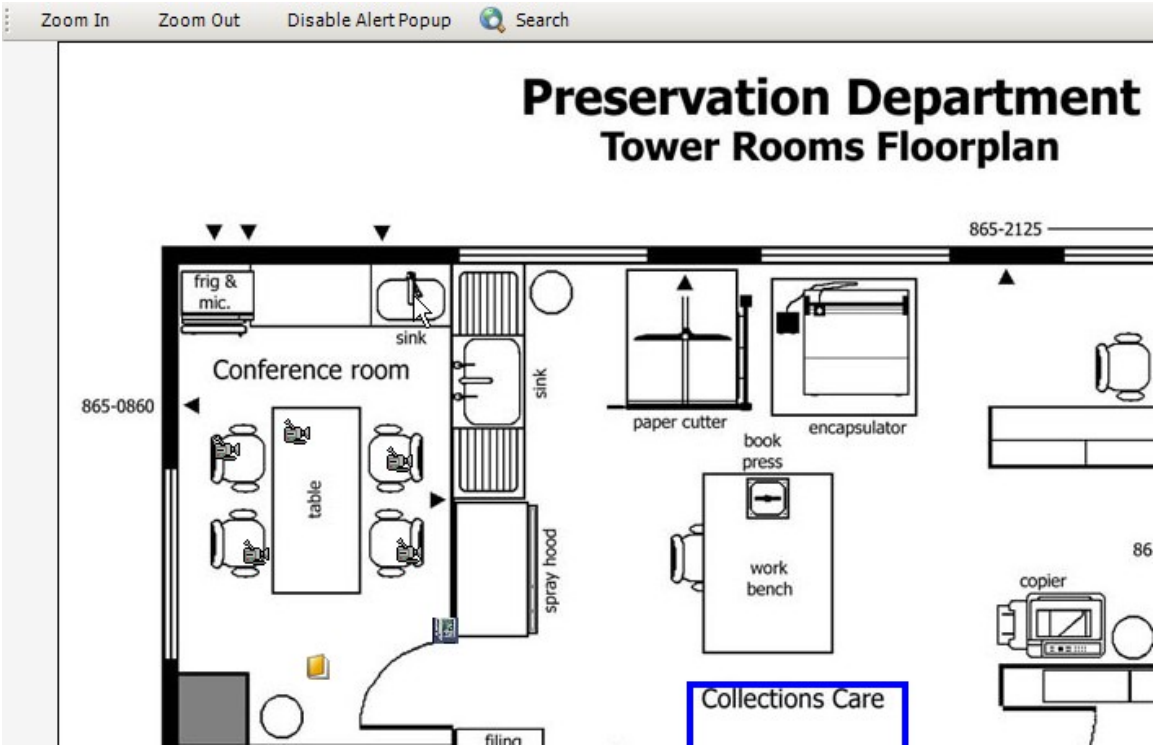

Figure 11

Zoom In

To make the map larger with more detail, click on the **Zoom In** button on the top of the screen.

Zoom Out

To make the map smaller with less detail, click on the **Zoom Out** button on the top of the screen.

Disable Auto Alert Popup

To not have the Alert information show when a Real-Time Alert is received, click on the **Disable Alert Popup** button on the top of the screen.

Search

To search for a device on the map, follow these steps as shown in Figure 12:

1. Click on the **Search** button at the top of the screen.
2. Choose a device from the **Search Device** list in the Search Panel at the left side of the screen.
3. Click on the **Search Device** button.

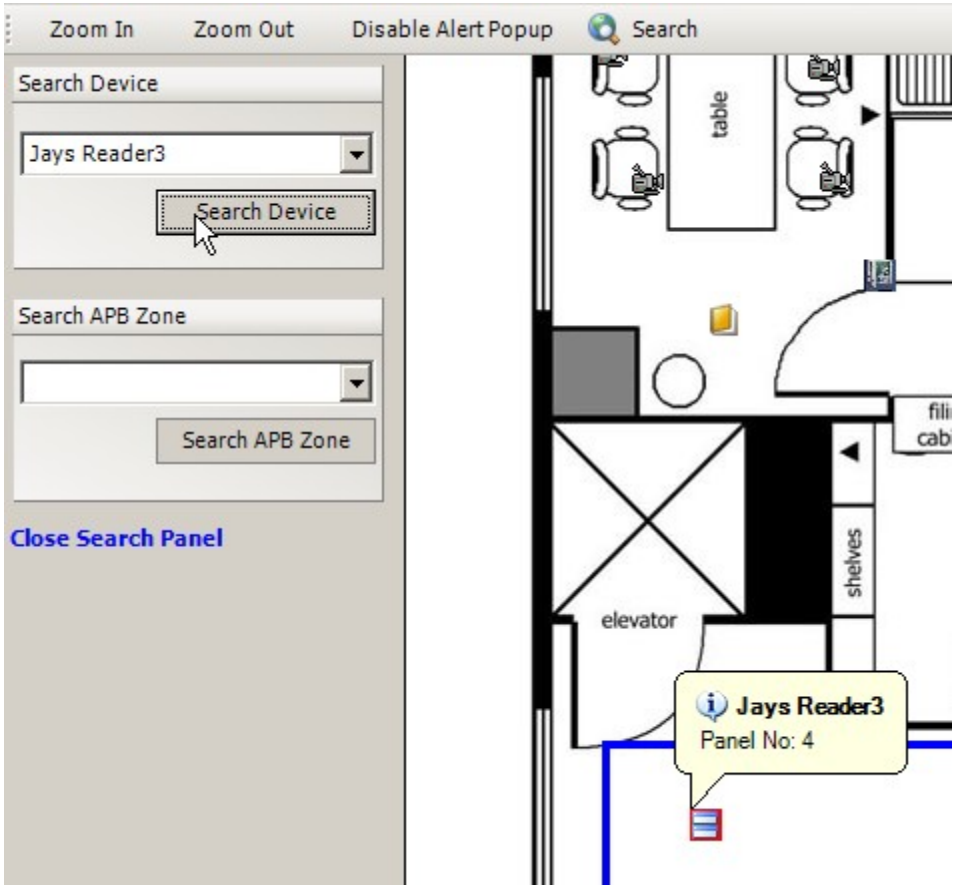

Figure 12

The selected device will show on the map with the description right above it.

To search for an APB Zone on the map, follow these steps as shown in Figure 13:

1. Click on the **Search** button at the top of the screen.
2. In the Search Panel at the left of the screen choose an APB Zone from the **Search APB Zone** list.
3. Click on the **Search APB Zone** button.

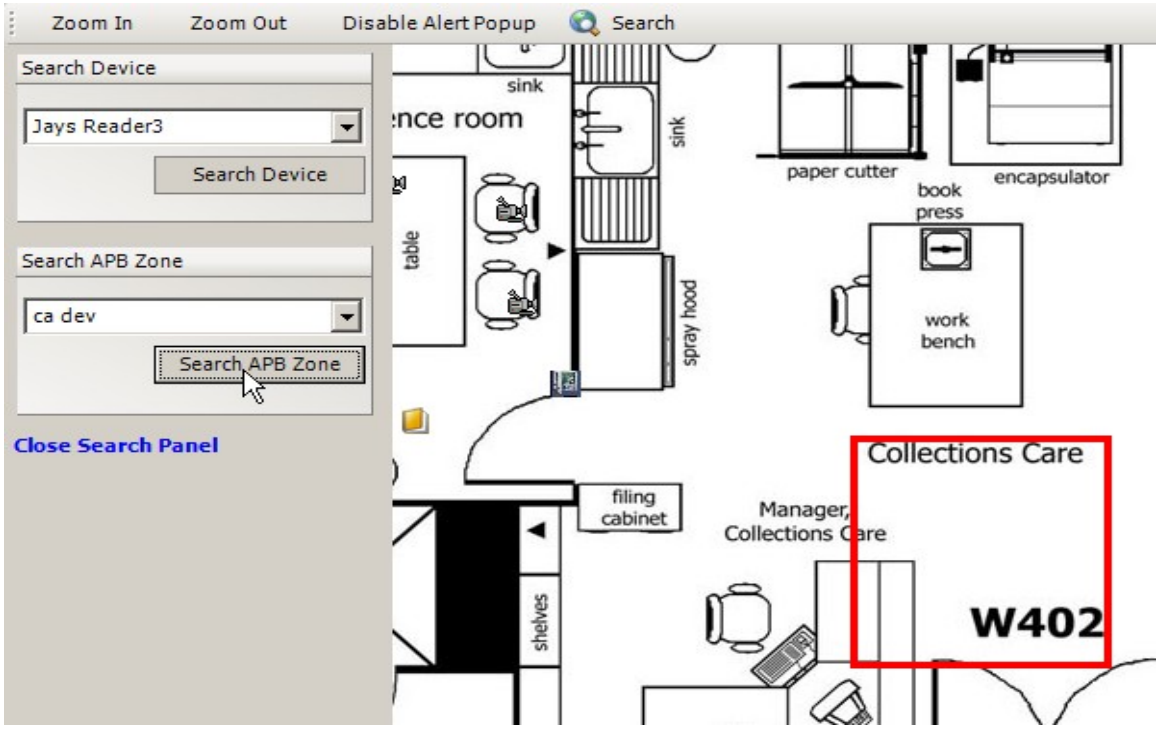

Figure 13

The APB Zone will display on the map.

To close the search panel, click on the **Close Search Panel** button at the bottom of the search panel.

Manual Control

To perform a manual control operation on a device on the map, follow these steps as shown in Figure 14:

1. Right Click on the icon for the device you wish to perform the manual control operation on.
2. Click on the **Manual Control** menu item.

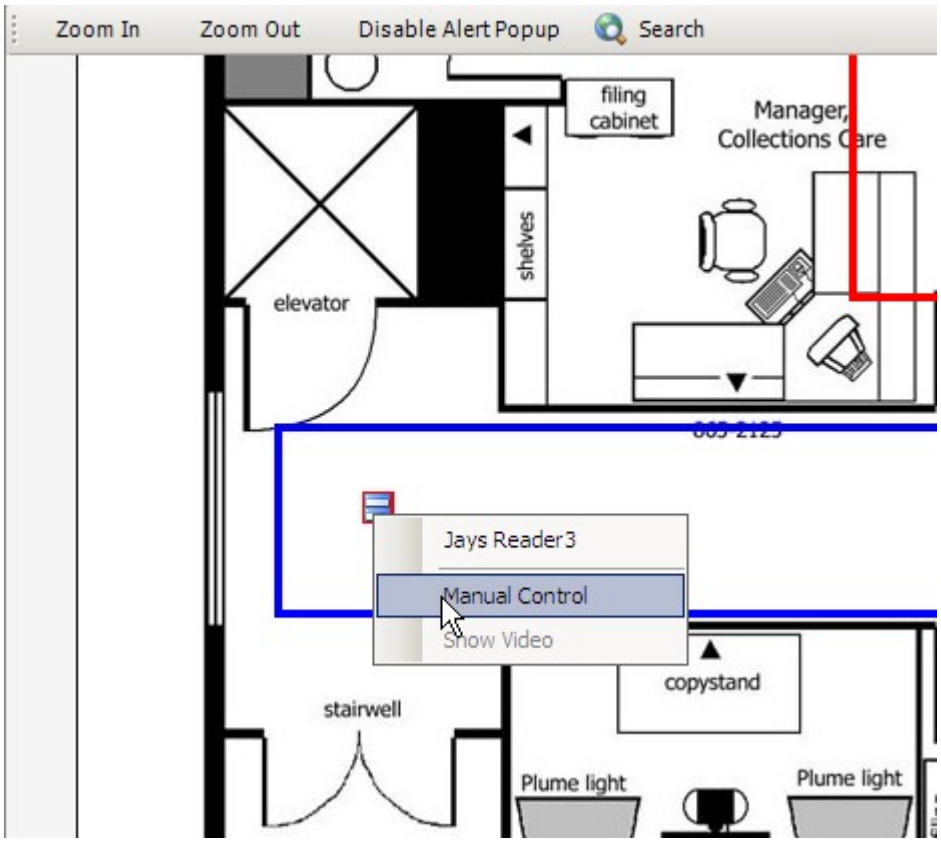

Figure 14

This will bring up the Manual Control Screen for the device. For a reader the Manual Door Control screen will appear as shown in Figure 15.

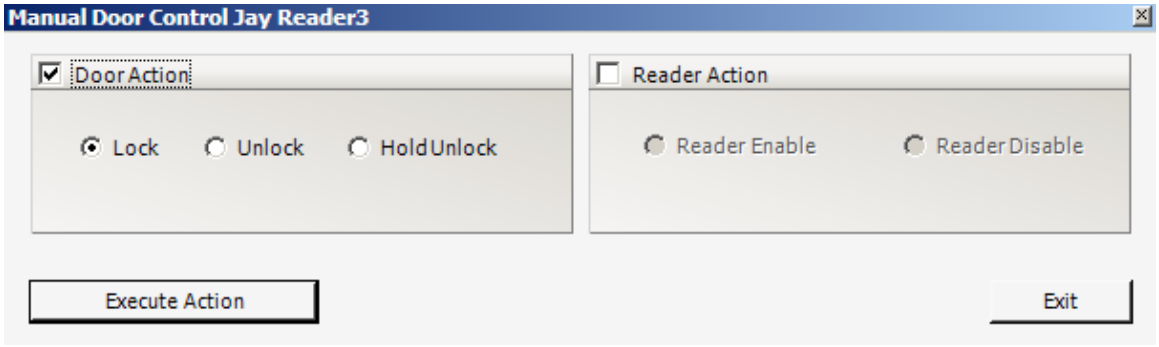

Figure 15

To perform the manual control operation, choose the action and click on the **Execute Action** button. When you are done click on the **Exit** button to exit manual control and return to the map.

Show Video

To display a DVR recording for the alert, follow these steps as shown in Figure 16:

1. Right Click on the icon for the device you wish to show video.
2. Click on the **Show Video** menu item.

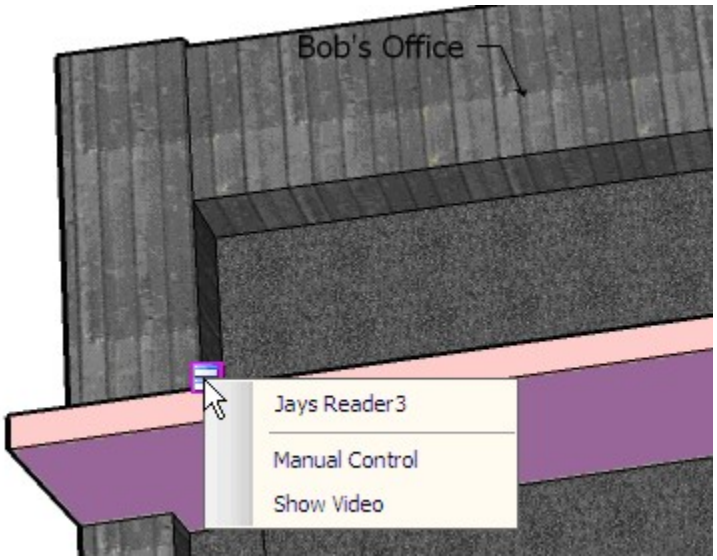

Figure 16

The CardAccess Video screen will appear showing the video recorded for the alert as shown in Figure 17. From this screen, you can play, stop, rewind and fast forward using the vcr style controls. To close the screen, click on the **X** in .the upper right corner of the screen

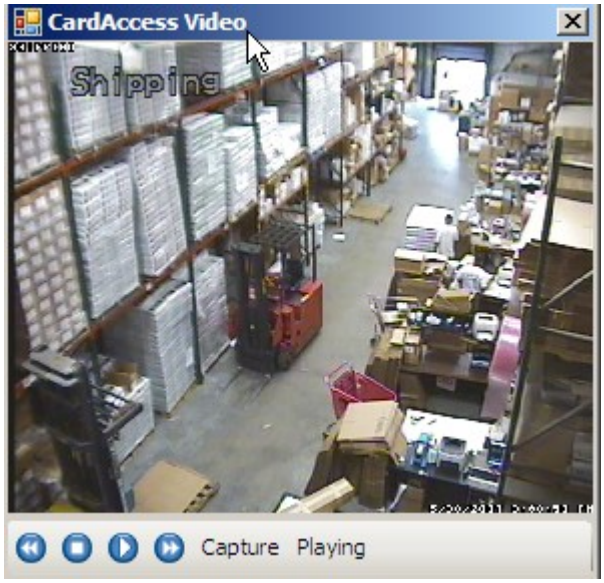

Figure 17

Live Video

To display Live Video from a camera configured on a map, follow these steps as shown in Figure 74:

1. Right Click on the icon for the device you wish to show video.
2. Click on the **Live Video** menu item.
3. The CardAccess Video screen will appear showing the live video from the selected camera.

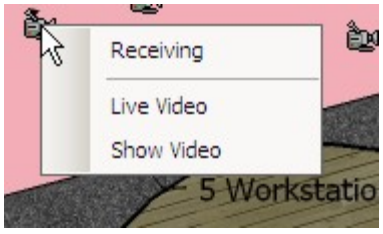

Figure 74

Monitor Alert

To have Real-Time Alerts showing in a grid with the details and the map on the same screen perform the following steps as shown in Figure 18:

1. Click on the **Mapping** menu at the top of the screen.
2. Click on the **Monitor Alert** menu choice.

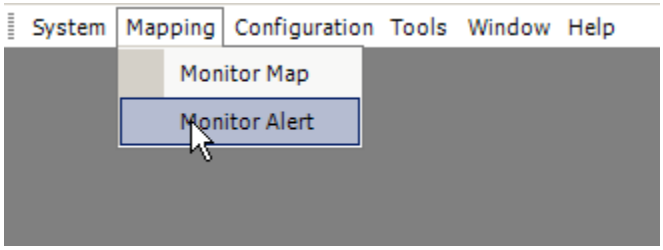

Figure 18

This will display the Pending Alerts screen as shown in Figure 19.

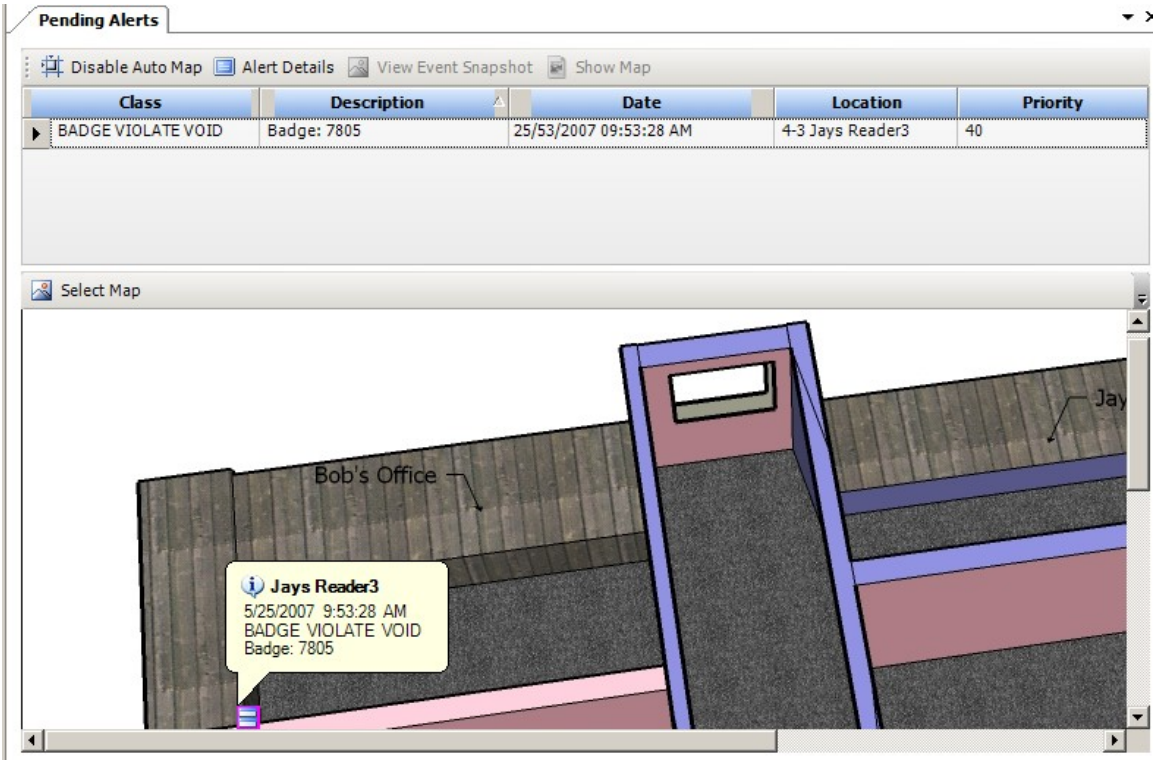

Figure 19

Manual Control

To perform a manual control operation on a device on the map, follow these steps as shown in Figure 20:

1. Right Click on the icon for the device you wish to perform the manual control operation on.
2. Click on the **Manual Control** menu item.

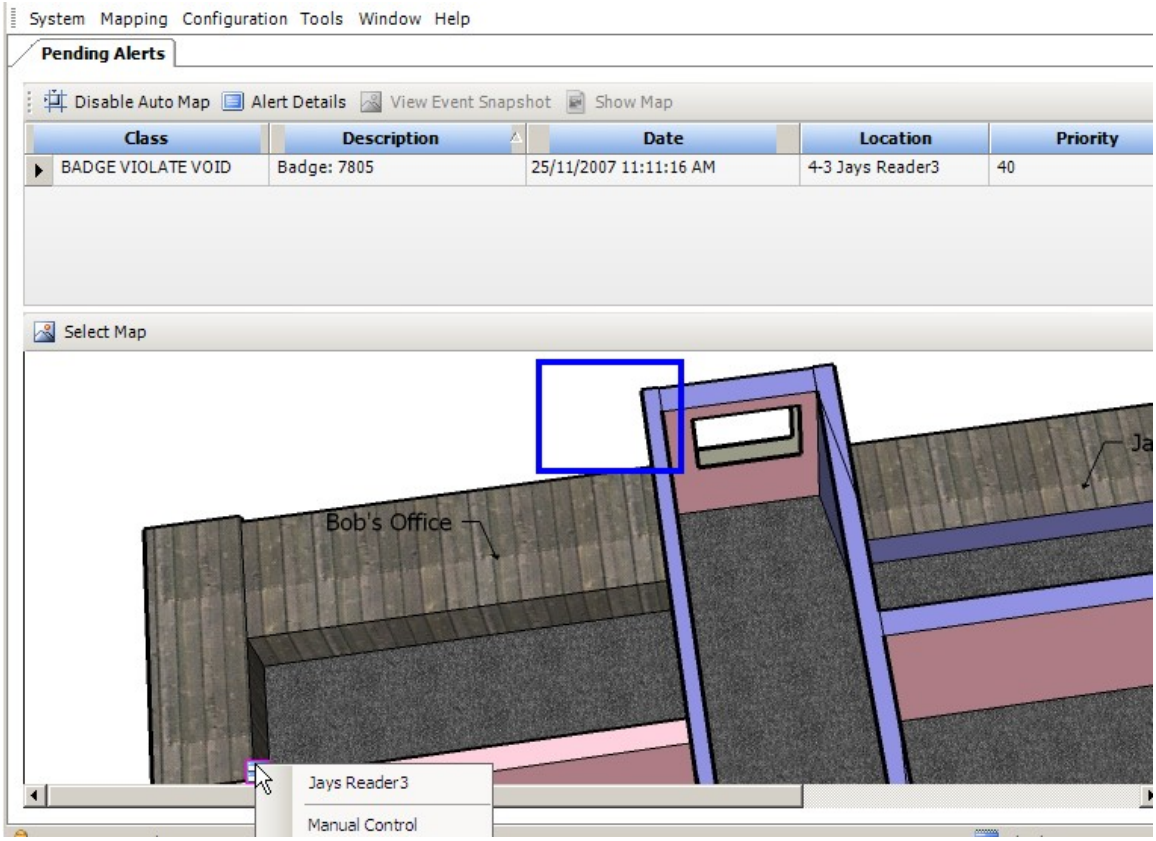

Figure 20

This will bring up the Manual Control Screen for the device. For a reader the Manual Door Control screen will appear as shown in Figure 21.

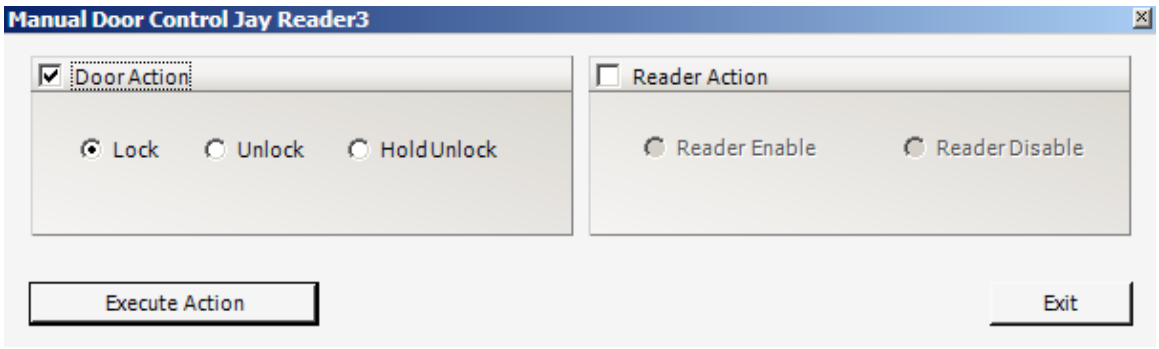

Figure 21

To perform the manual control operation, choose the action and click on the **Execute Action** button. When you are done click on the **Exit** button to exit manual control and return to the map.

Show Video

To display a DVR recording for the alert, follow these steps as shown in Figure 22:

1. Right Click on the icon for the device you wish to show video.
2. Click on the **Show Video** menu item.

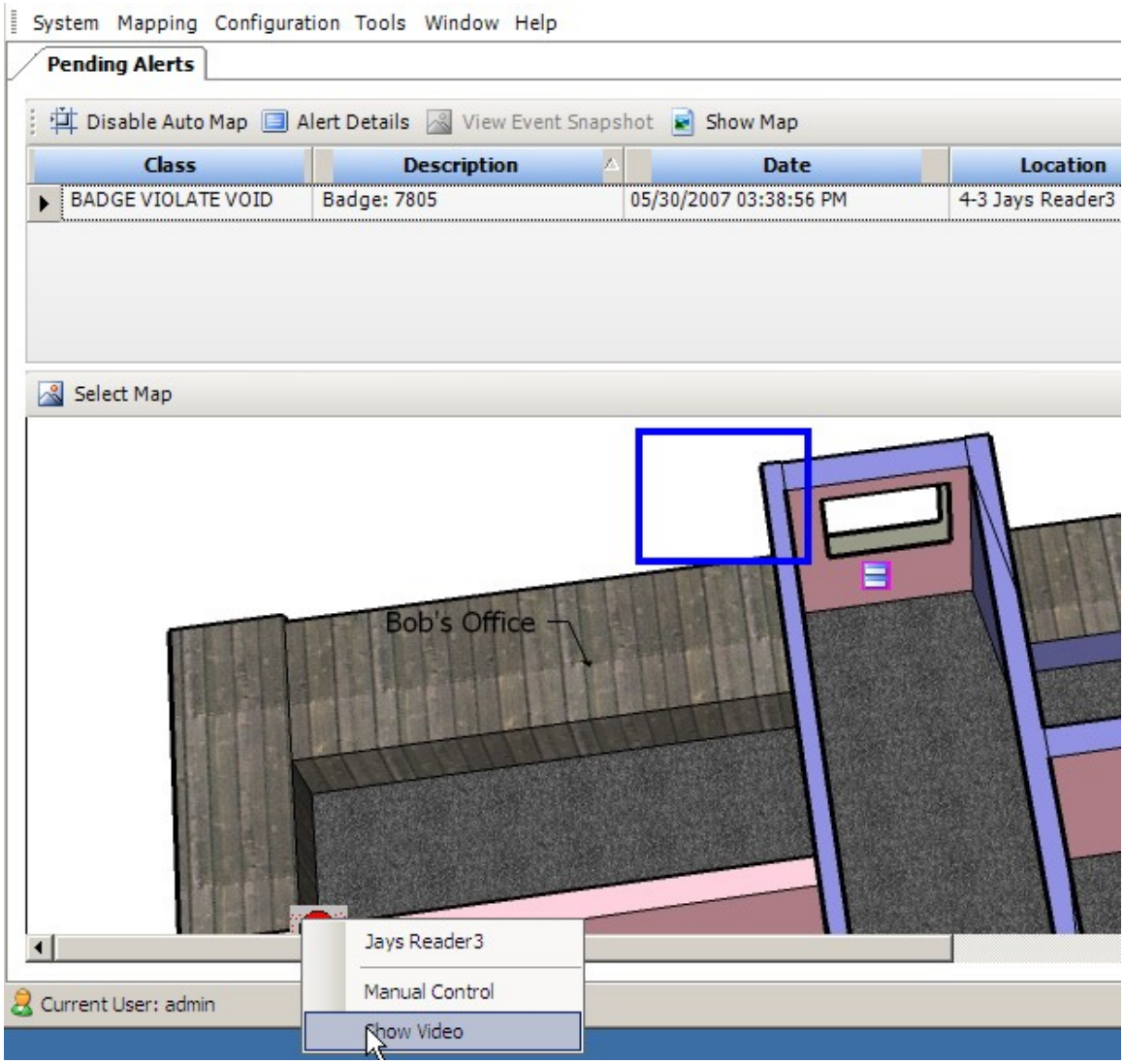

Figure 22

The CardAccess Video screen will appear showing the video recorded for the alert as shown in Figure 23. From this screen, you can play, stop, rewind and fast forward using the vcr style controls. To close the screen, click on the **X** in .the upper right corner of the screen

Live Video

To display Live Video from a camera configured on a map, follow these steps as shown in Figure 75:

4. Right Click on the icon for the device you wish to show video.
5. Click on the **Live Video** menu item.
6. The CardAccess Video screen will appear showing the live video from the selected camera.

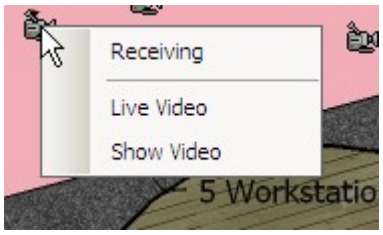

Figure 75

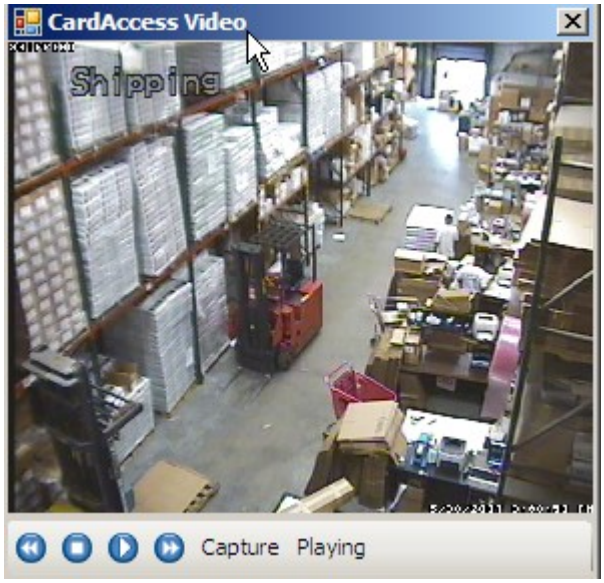

Figure 23

Disable Auto Map

To only show the Real-Time alerts in the grid and not have the map in the second half of the screen, click on the **Disable Auto Map** button as shown in Figure 24. The text of the button will change to Enable Auto Map. To show the map in the second half of the screen, click on the **Enable Auto Map** button as shown in Figure 25.

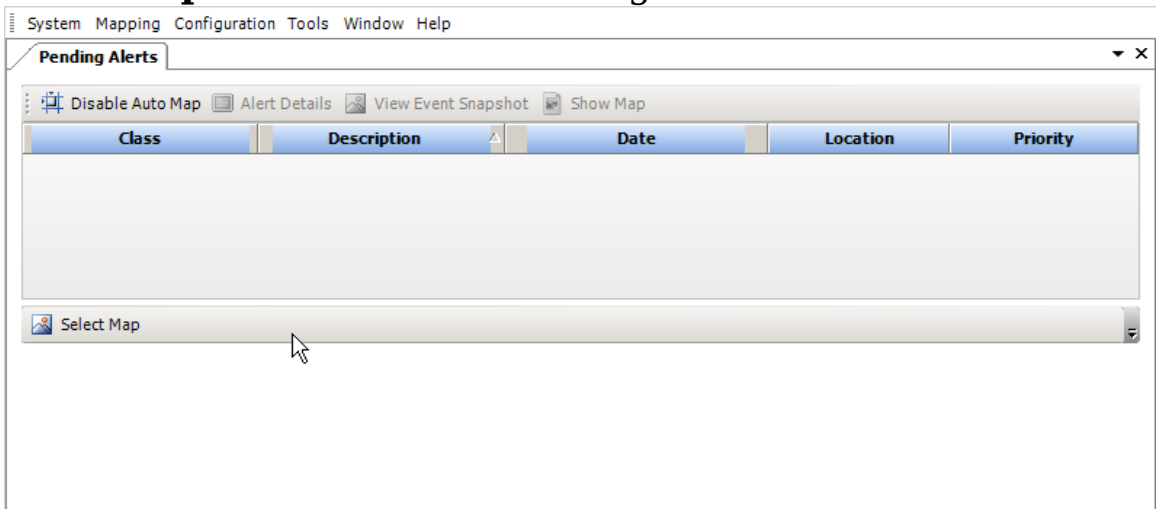

Figure 24

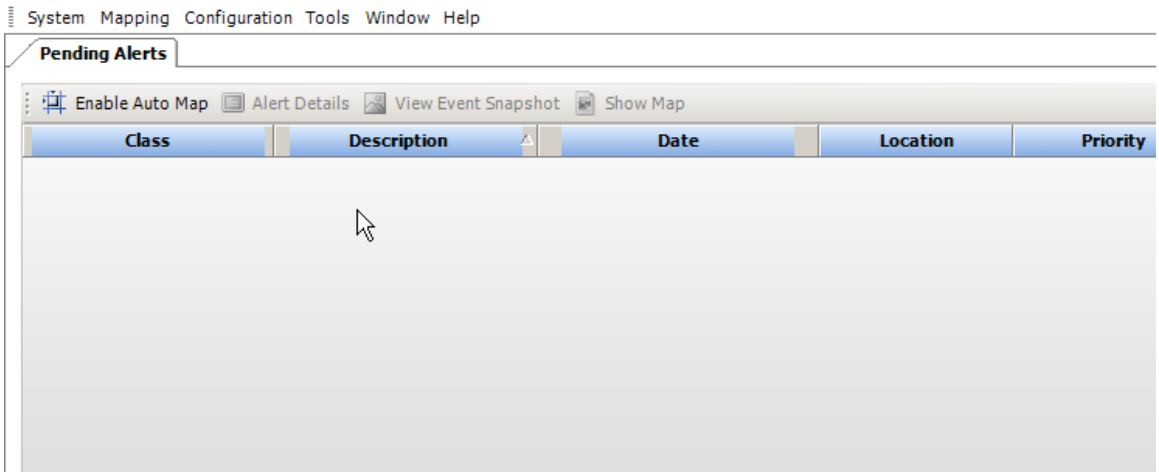

Figure 25

Alert Details

To view details for the Real-Time Alert focused in the Alert grid, click on the **Alert Details** button as shown in Figure 25. To return to the Alerts Grid click on the C**lose** button as shown in Figure 26.

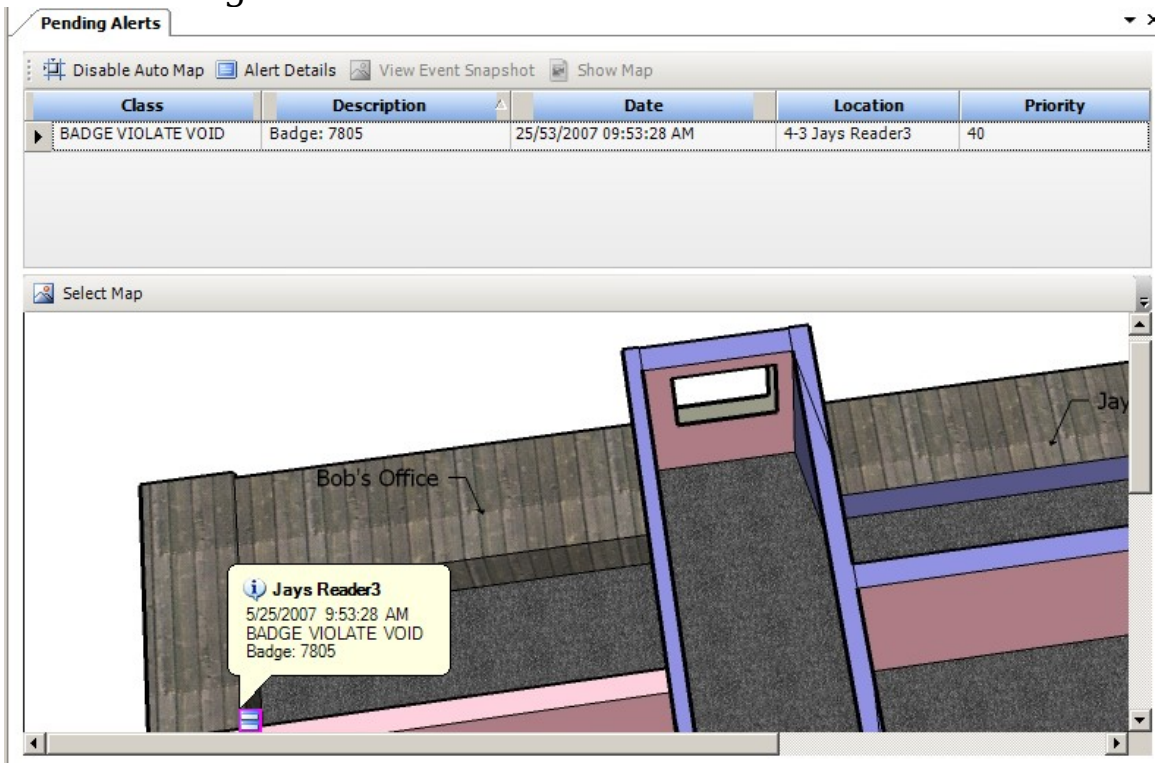

Figure 25

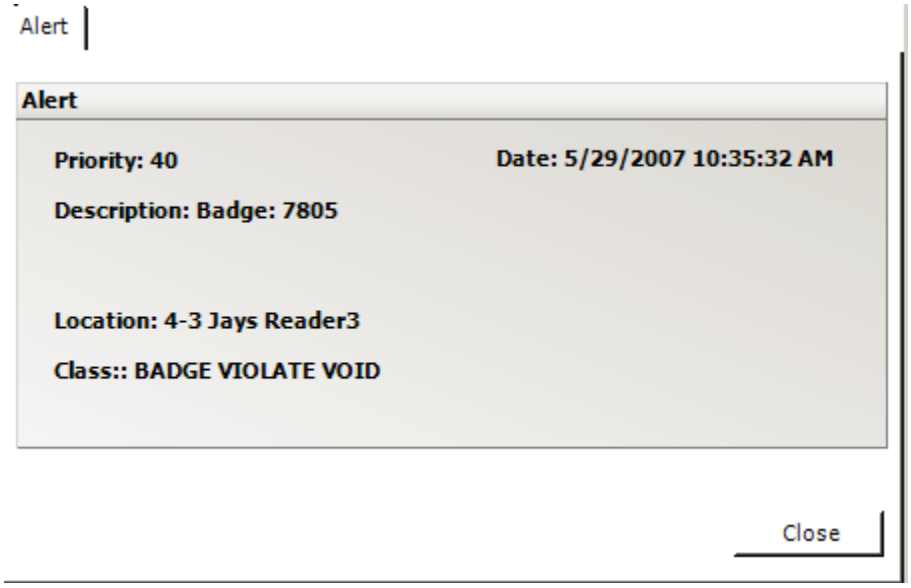

Figure 26

View Event Snapshot

To view a snapshot of the event from a DVR click on the **View Event Snapshot** button as shown in Figure 28.

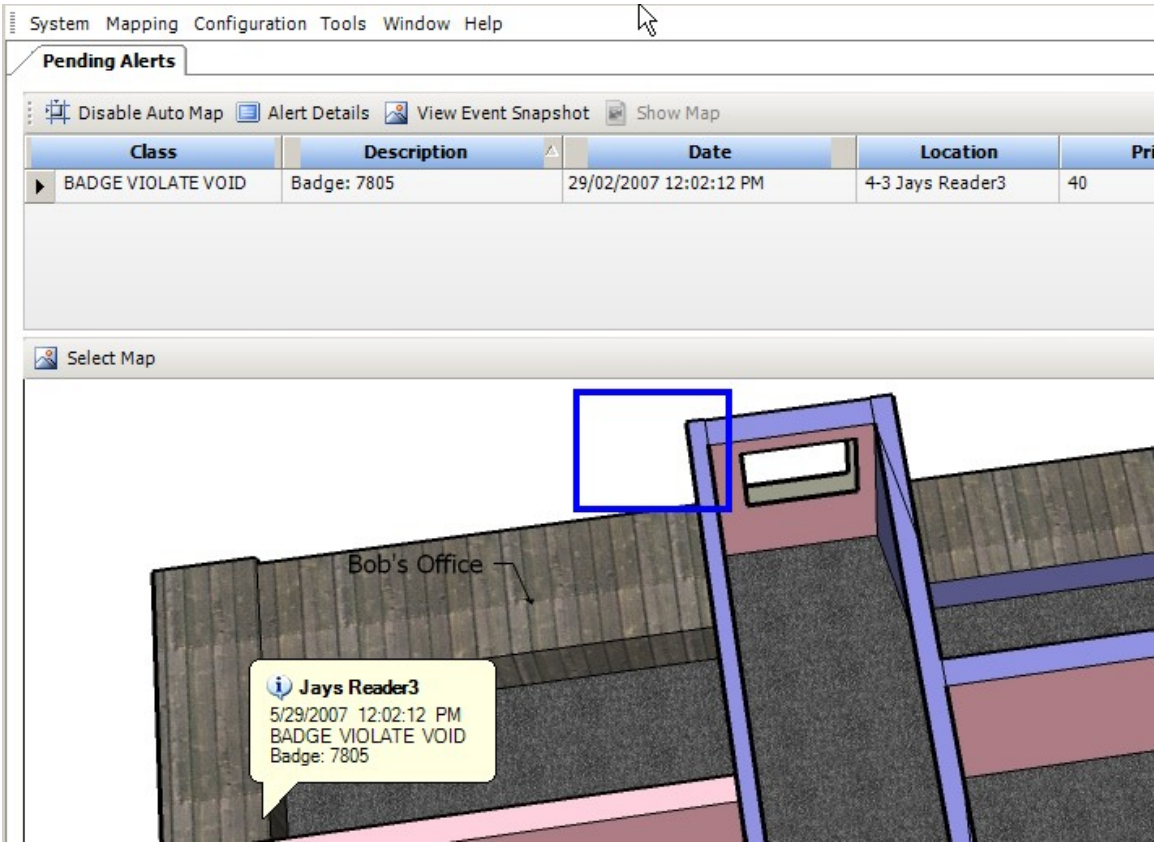

Figure 28

The Event Snapshot will appear as shown in Figure 29. To close the Event Snapshot window, click on the **X** in the upper right corner of the screen.

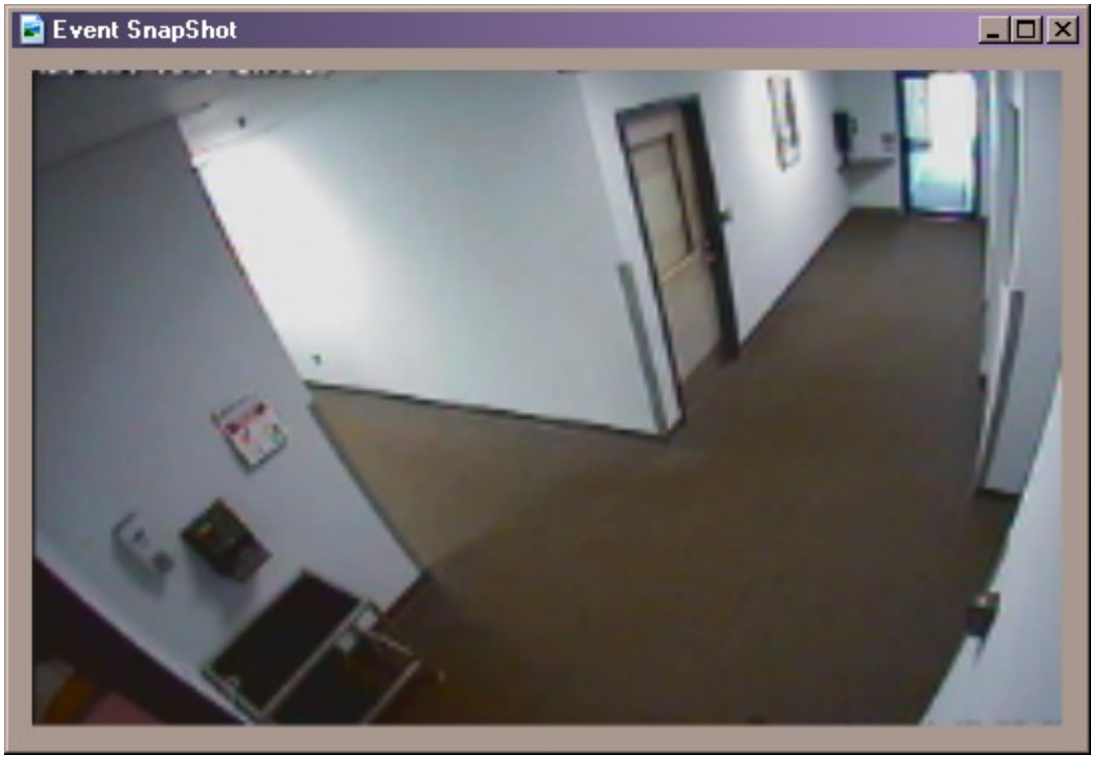

Figure 29

Show Map

When Auto Map is disabled, if you wish to display the map for just one event, click on the **Show Map** button as shown in Figure 30.

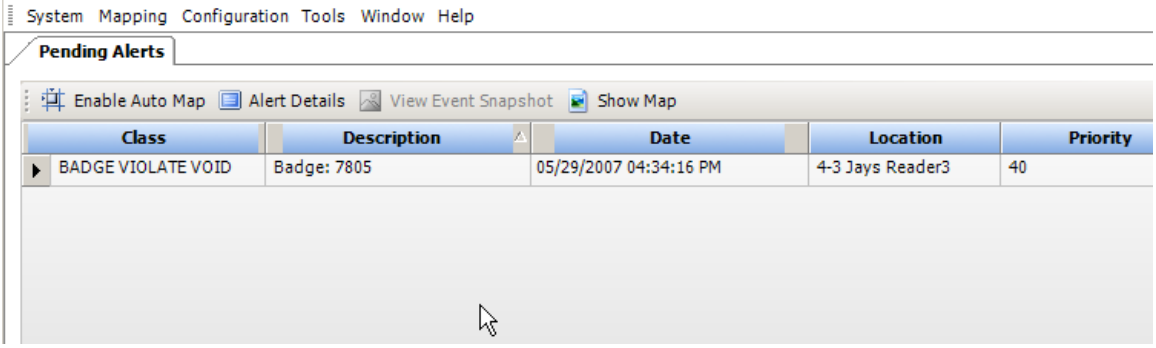

Figure 30

This will display the map for the selected alert as shown in figure 31.

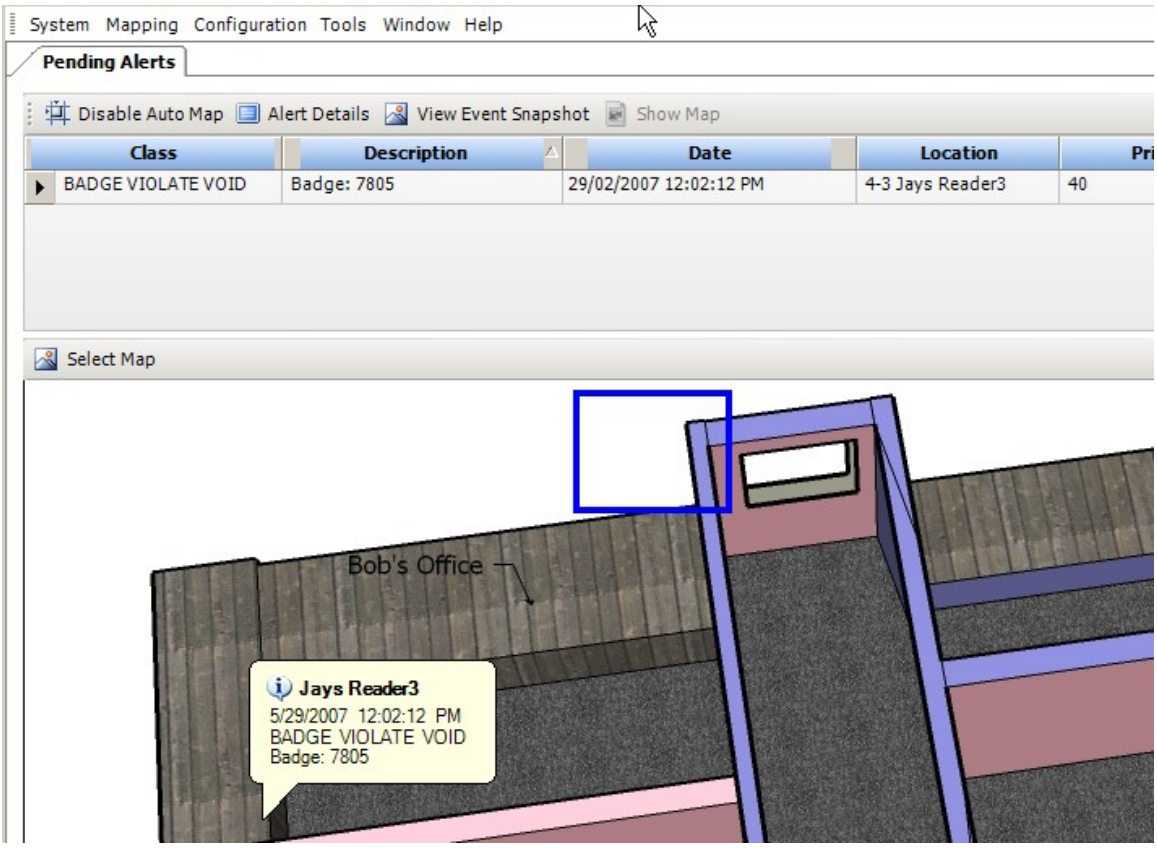

Figure 31

Select Map

If you wish to display a map in another window, click on the **Select Map** button as shown in Figure 31. This will pop up a Select Map dialog box as shown in Figure 32. Here you can select the map and click the **Ok** button. If you decide not to select a map you can click on the **Cancel** button and the Dialog box will close.

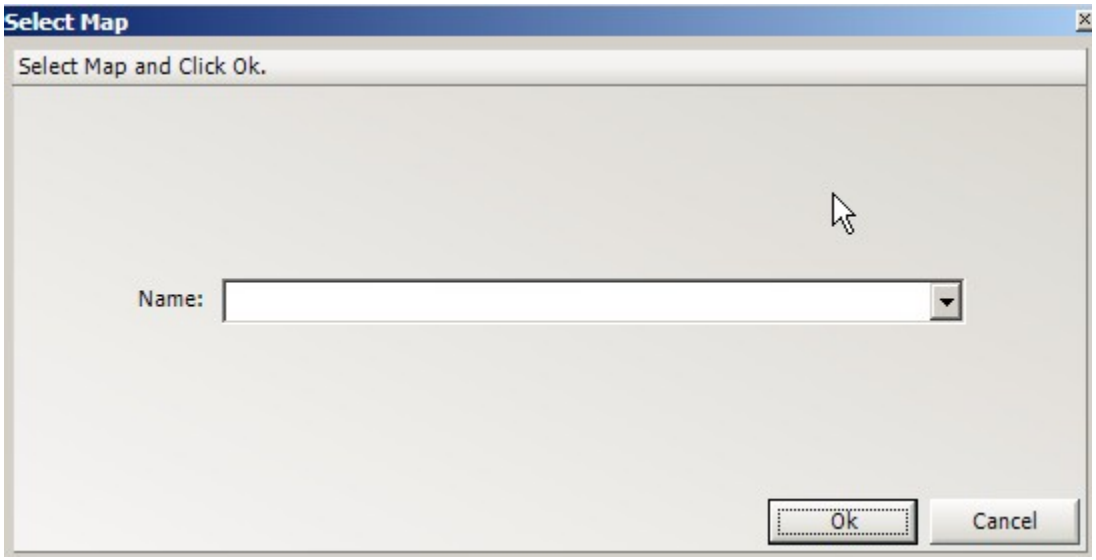

Figure 32

After selecting a map the Select Map dialog will close and a new window will appear with the selected map as shown in Figure 33.

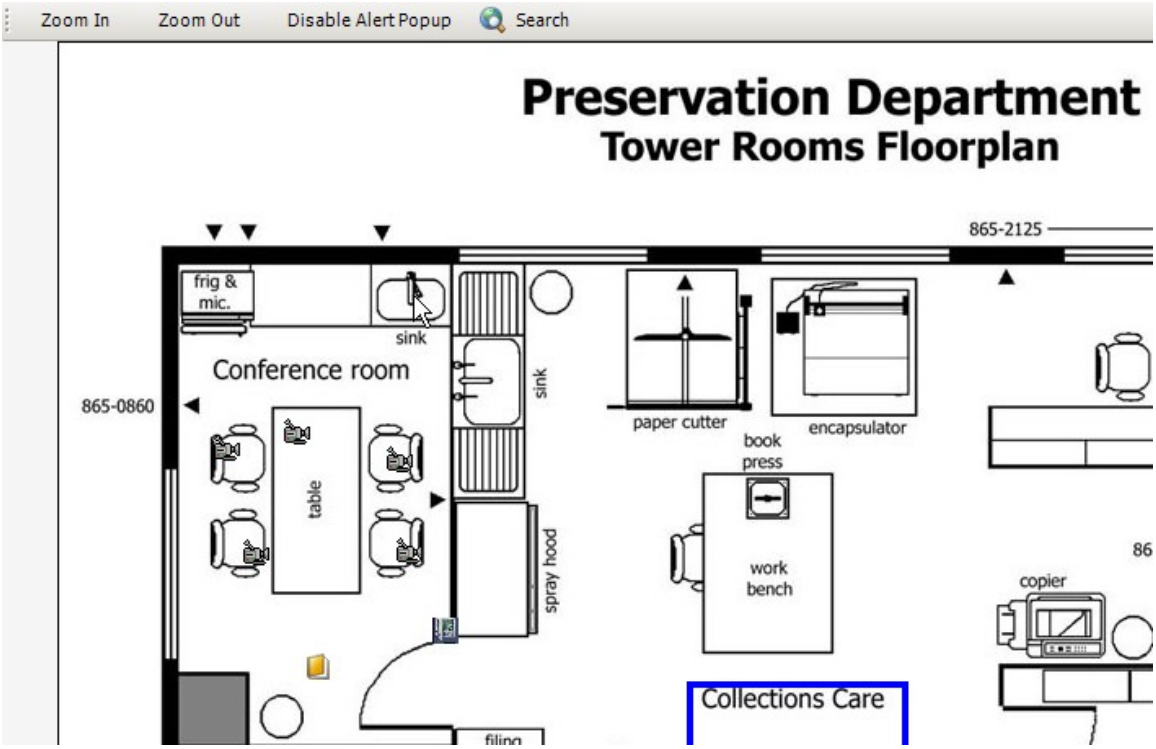

Figure 33

This map will display the icons for the devices configure for this map, and will show the Real-Time alerts that are received. If you move the mouse over the device and description will appear.

To perform a manual control operation on a device on the map, follow these steps as shown in Figure 34:

1. Right Click on the icon for the device you wish to perform the manual control operation on.
2. Click on the **Manual Control** menu item.

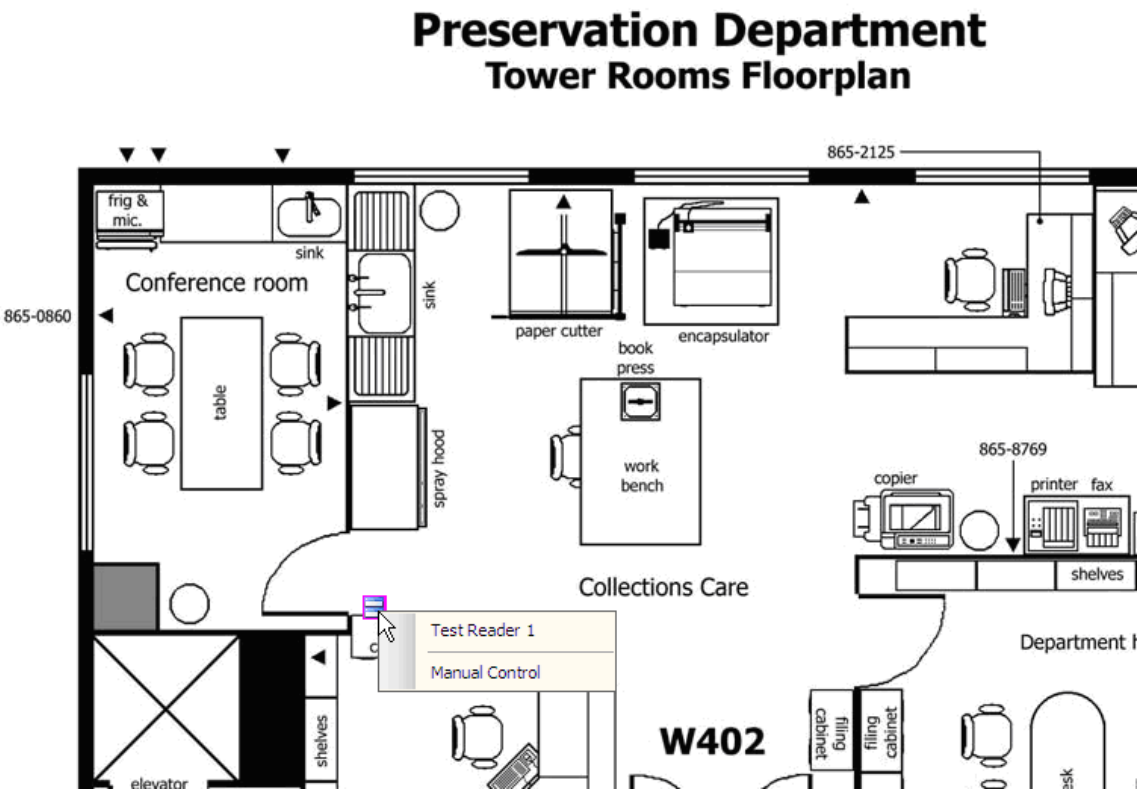

Figure 34

This will bring up the Manual Control Screen for the device. For a reader the Manual Door Control screen will appear as shown in Figure 35.

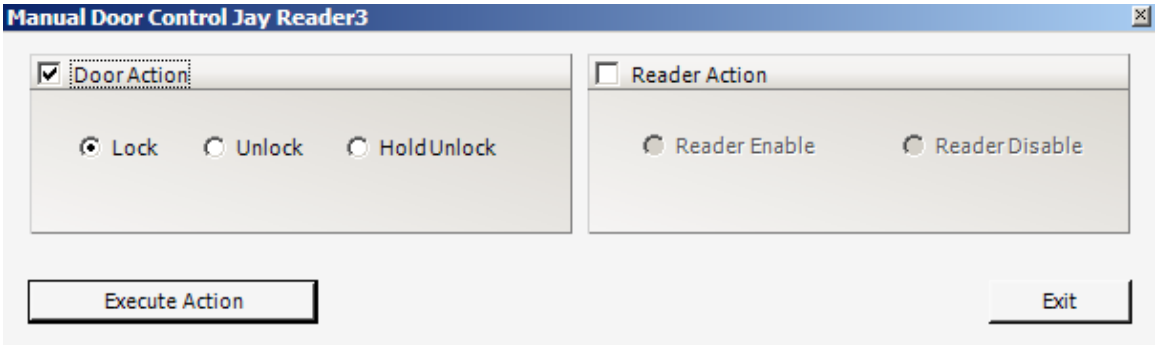

Figure 35

To perform the manual control operation, choose the action and click on the **Execute Action** button. When you are done click on the **Exit** button to exit manual control and return to the map.

Zoom In

To make the map larger with more detail, click on the **Zoom In** button on the top of the screen.

Zoom Out

To make the map smaller with less detail, click on the **Zoom Out** button on the top of the screen.

Disable Alert Popup

To not have the Alert information show when a Real-Time Alert is received, click on the **Disable Alert Popup** button on the top of the screen.

Search

To search for a device on the map, follow these steps as shown in Figure 36:

1. Click on the **Search** button at the top of the screen.
2. In the Search Panel at the left of the screen choose a device from the **Search Device** list.
3. Click on the **Search Device** button.

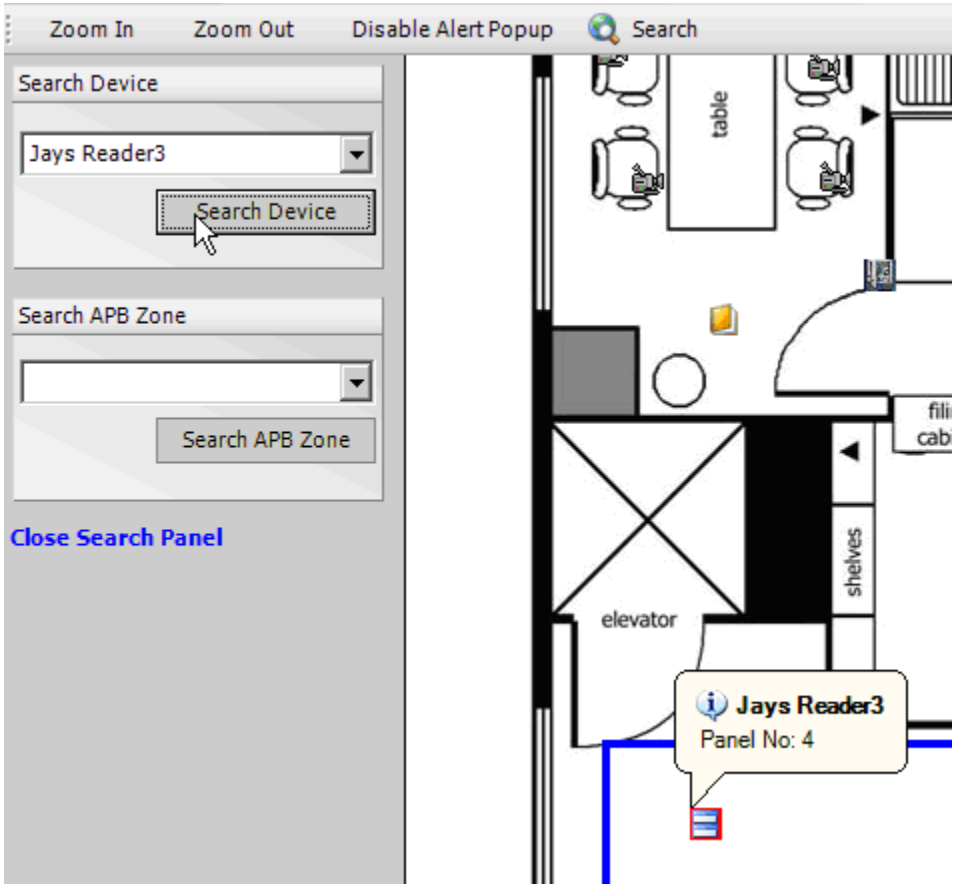

Figure 36

The selected device will show on the map with the description right above it.

To search for an APB Zone on the map, follow these steps as shown in Figure 37:

1. Click on the **Search** button at the top of the screen.
2. In the Search Panel at the left of the screen choose an APB Zone from the **Search APB Zone** list.
3. Click on the **Search APB Zone** button.

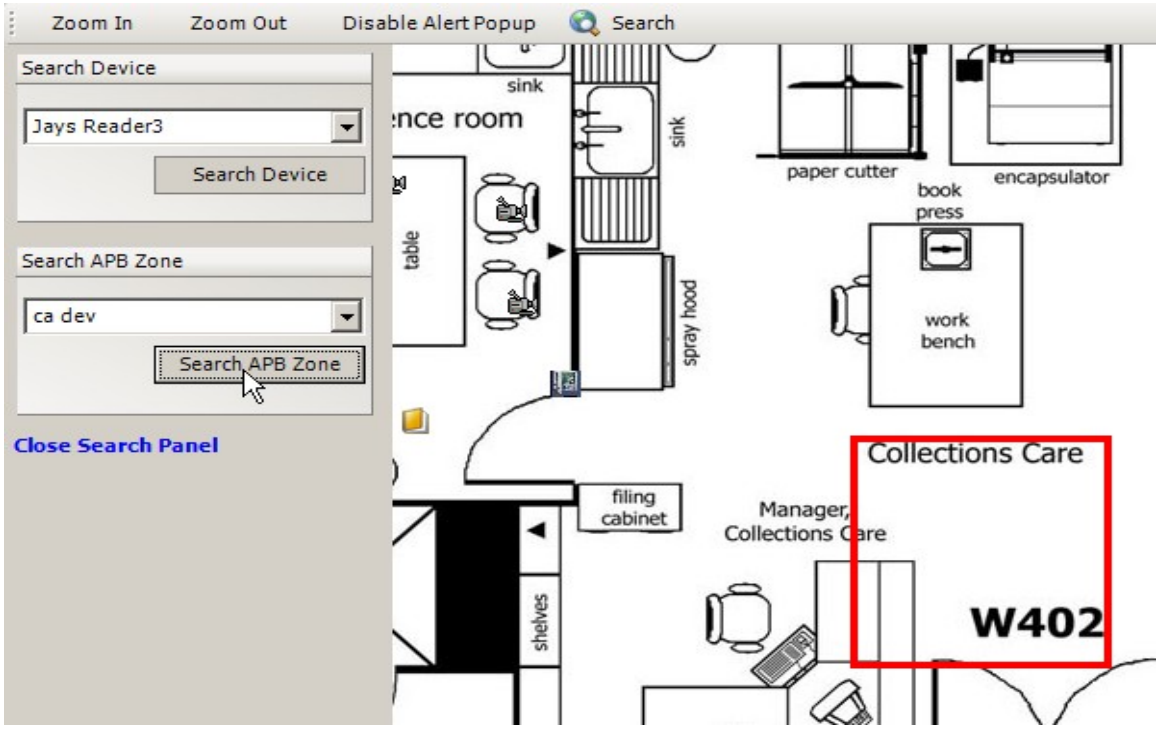

Figure 37

The APB Zone will display on the map.

To close the search panel, click on the **Close Search Panel** button at the bottom of the search panel.

Alert Acknowledgement

To Acknowledge alerts, click on the Acknowledge button as shown in Figure 70.

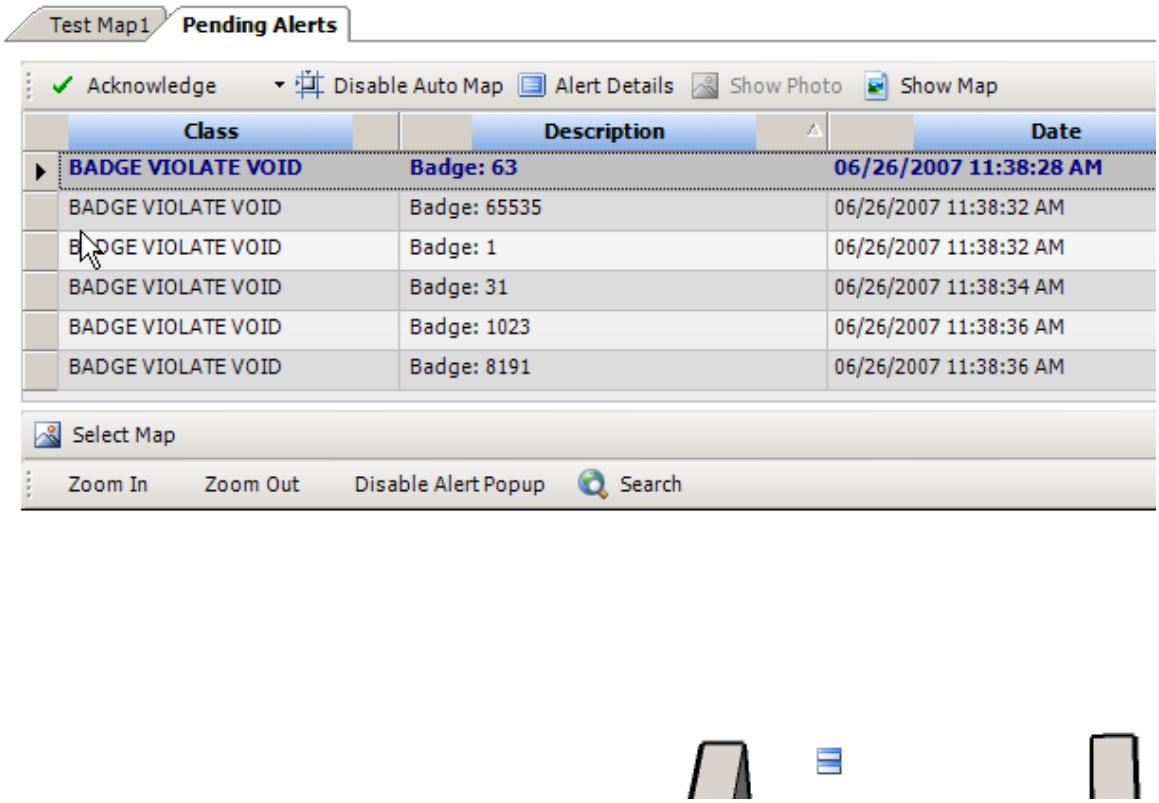

Figure 70

To Acknowledge All alerts click on the Down Arrow next to the **Acknowledge** button and a menu will appear as shown in Figure 71.

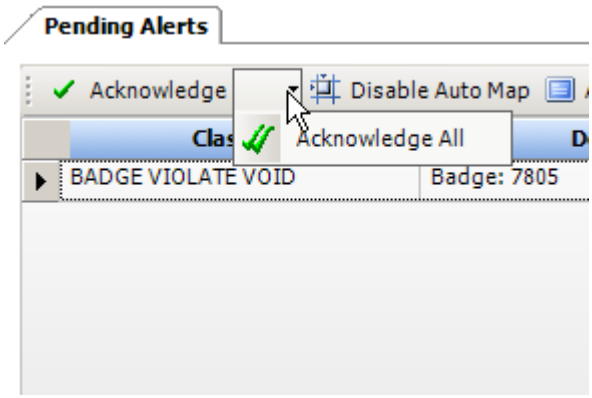

Figure 71

Click in the Acknowledge All menu choice and all of the alerts will be acknowledged.

Threat Level Management

Users with Administrator Privilege will see the Threat Level Management Indicator on the top left portion of the screen as shown in Figure 72.

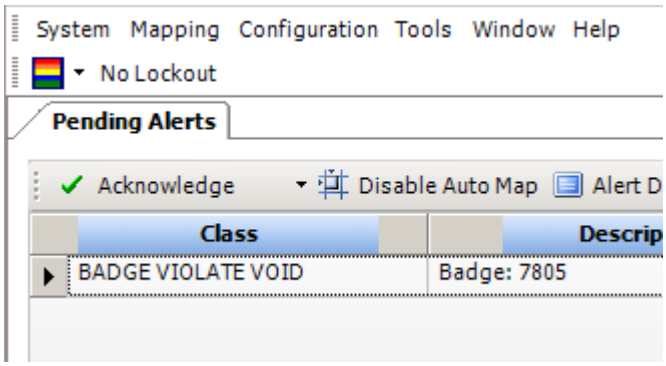

Figure 72

To change the Threat Level, click on the Threat Level Icon and a Threat Level menu will appear as shown in Figure 73. Choose the new Threat Level.

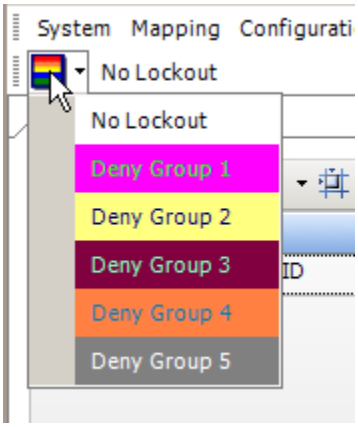

Figure 73

Configuration

Dynamic Maps are created managed and configured from the Configuration Menu as shown in Figure 38.

New Map

To create a new map, perform the following steps as shown in Figures 38:

1. Click on the **Configuration** menu at the top of the screen.
2. Click on the **New Map** menu choice.

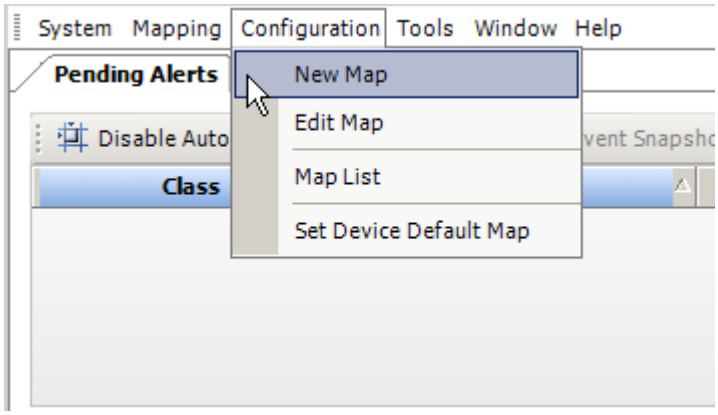

Figure 38

This will bring up the Map Properties dialog as shown in Figure 39. You must enter a name for the map, a description and the width and height of the map. In addition you can choose to have the map belong to a partition group. Maps belonging to a partition group can only be viewed by operators that are a part of the group.

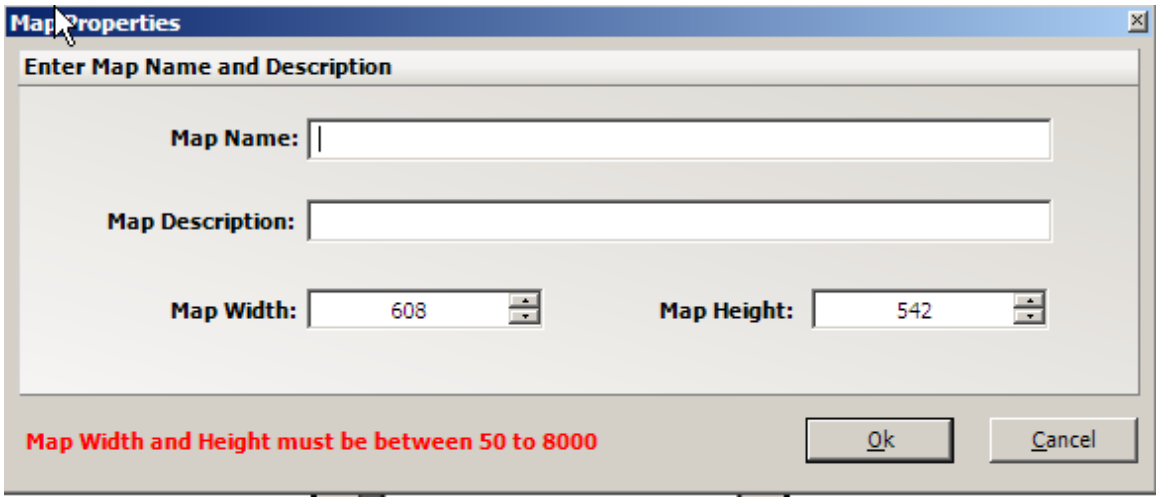

Figure 39

Once all of the information is entered, click on the **Ok** button to begin to design the map. The map designer will appear as shown in Figure 40.

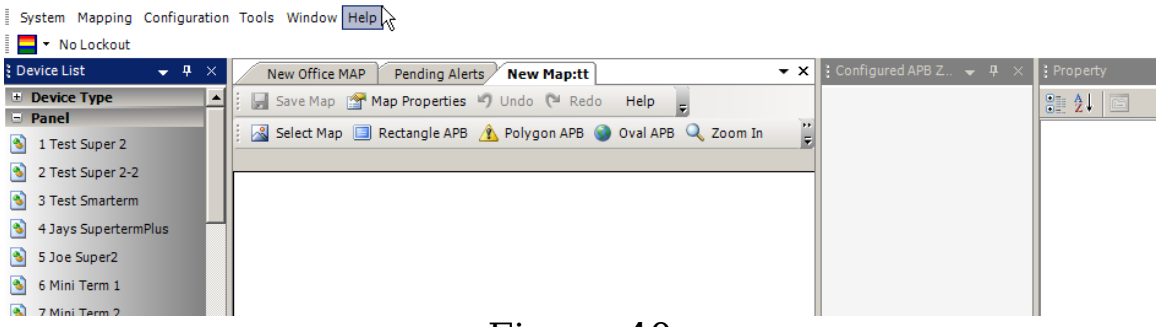

Figure 40

Click on the **Select Map** button choose an image to be used for the map. An open file dialog box will appear as shown in Figure 41. Supported file formats are JPEG, BMP, TIFF and GIF. Choose a file and click on the **Open** button.

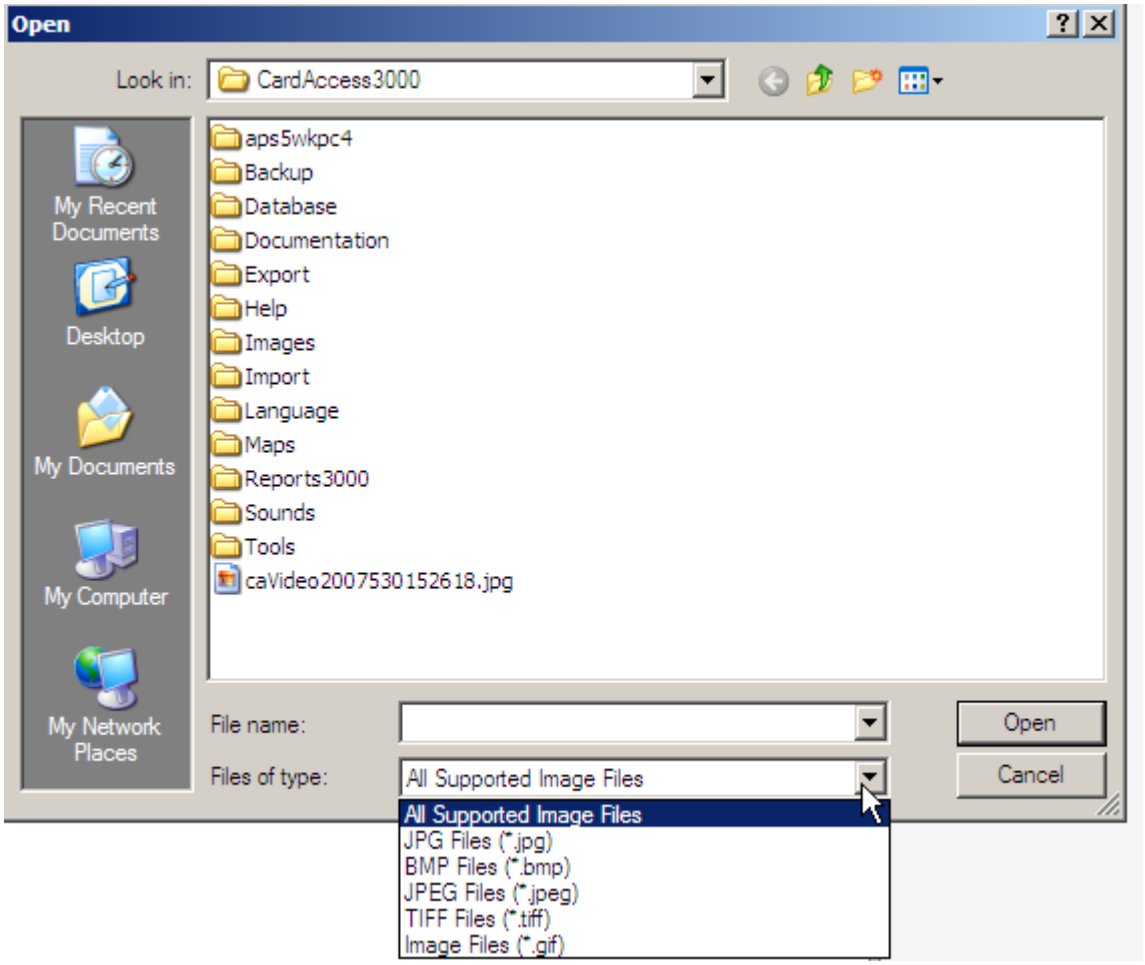

Figure 41

The image will now be shown in the configure map screen as shown in Figure 42.

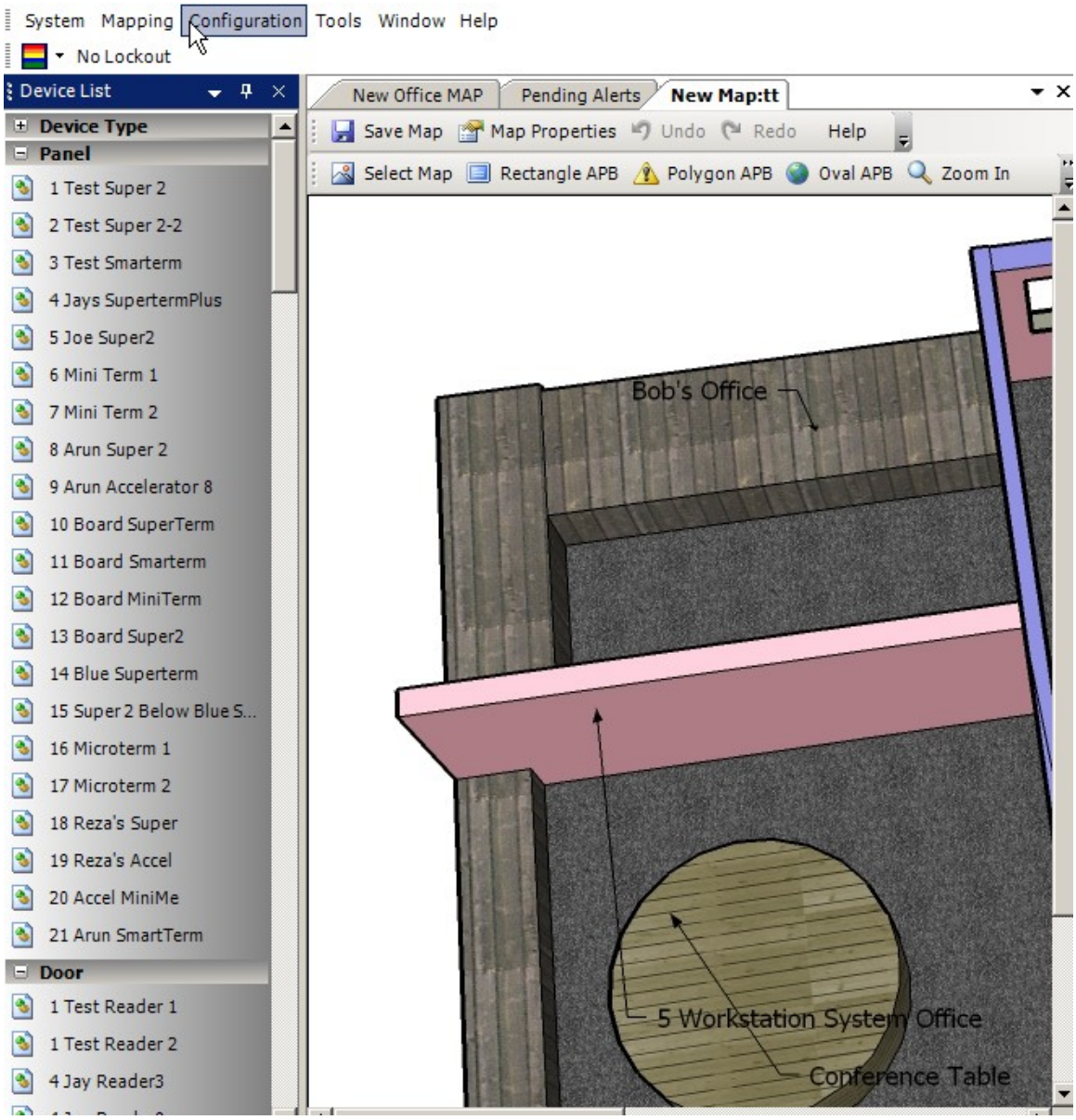

Figure 42

The list of devices is displayed on the left portion of the screen. To add a device to the map, click the mouse on the device and drag it onto the map to the location of the device as shown in Figure 43.

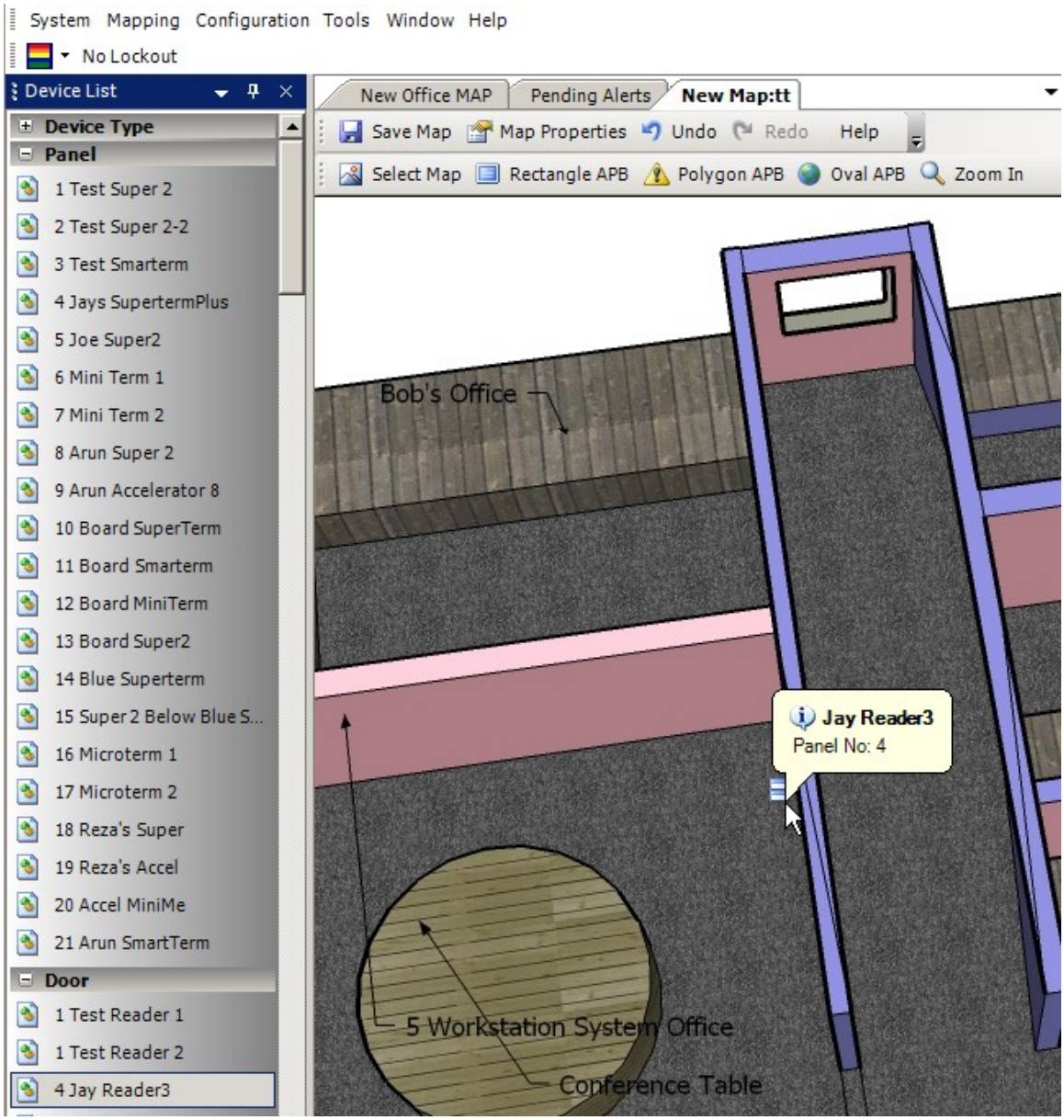

Figure 43

Once the icon is showing on the map for a device, you can move the mouse over the icon to see the description of the device. If you wish to remove the device you can right click the mouse on the device and a menu will appear as shown in Figure 44.

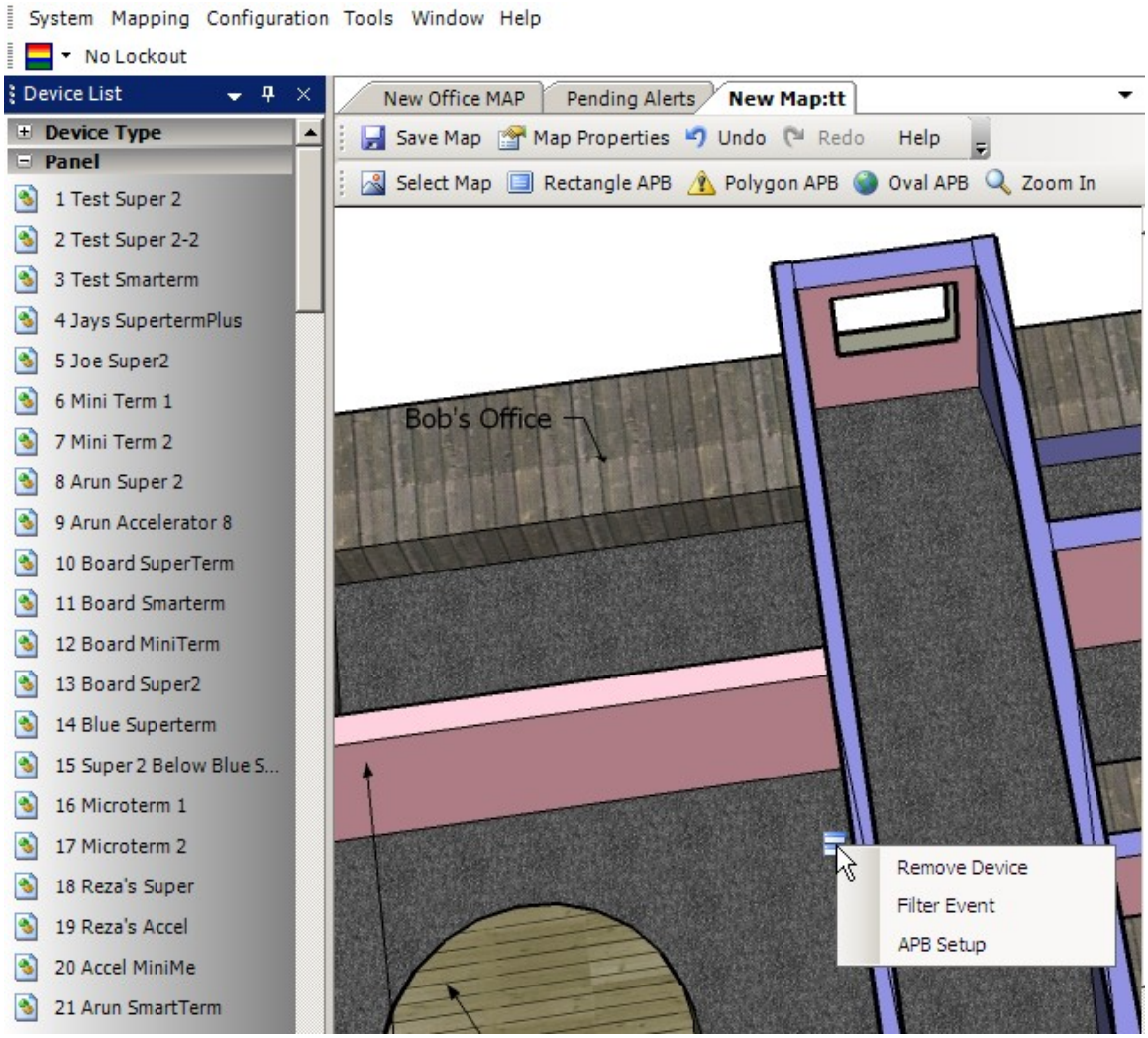

Figure 44

Click on the **Remove Device** menu choice and the device will be removed from the map.

If you wish to filter the events that will show for this device on the map, you can right click the mouse on the device and a menu will appear as shown in Figure 44. Click on the **Filter Event** menu choice and the Select Event category screen will appear as shown in Figure 45.

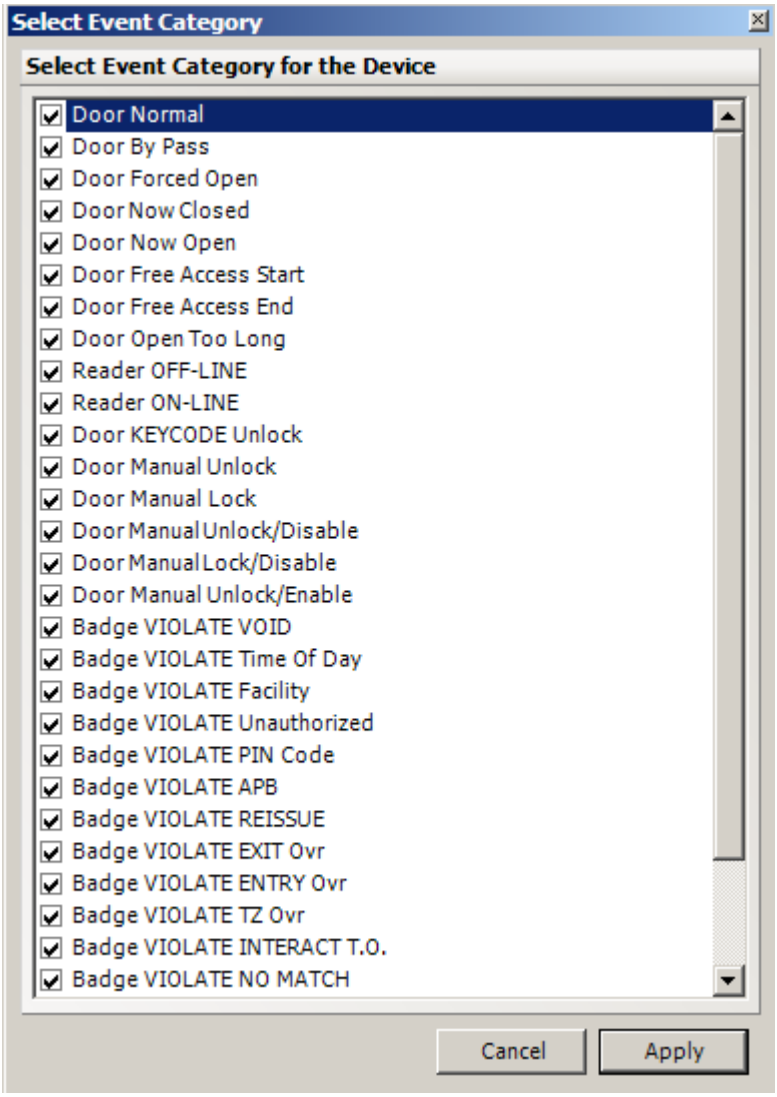

Figure 45

Check the box next to any events that you wish to be shown on the map for this device. Click the **Apply** button to save the changes or click on the **Cancel** button to close the screen without saving the changes that were made.

Continue to add devices to the map repeating the steps described above. When the map is complete, click on the

Save Map button to save all of the changes made to the map.

APB Area Configuration

To configure an APB Area on the map, perform the following steps:

1. Drag APB Readers onto the map, into the area that you wish to define as an APB Area. Click on one of the APB Drawing Icons on the toolbar. There are 3 types available, Rectangle, Polygon and Oval. For a rectangular shaped APB area, click on the **Rectangle APB** button as shown below in figure 62**.**
2. Click the left mouse button and hold the button down while moving the mouse to draw the rectangle around the APB Readers.
3. When the rectangle is complete let go of the mouse button. At this point a dialog box will appear to select the APB Area you are defining as shown in Figure 63. If you already have the APB Area defined then you can select it from the list. If you wish to create a new APB Area, click on the **New** button and the APB Area Description box will appear and you can enter the name as shown in Figure 64.
4. When you have selected or entered the APB Area click on the **Ok** button. If you decide to not configure an APB area, click on the **Cancel** button.
5. At this point the Configure APB Readers Dialog will appear as shown in Figure 65. You can select the “Exit From Area”, and the “Entry Into Area” for each reader. When you are done click on the **Ok** button.

6. Repeat the same steps for the Oval shaped APB Area. The Polygon APB is a shape that is not limited to four sides and does not have to be equally sized. Click the left mouse button and let the button go to draw just a point. Repeat until the Area is defined. Click the right mouse button and a context menu will appear as shown in Figure 69. Click the **End Drawing Polygon** menu choice and dialog box will appear to select the APB Area you are defining as shown in Figure 63. When you have selected or entered the APB Area click on the **Ok**
7. button. At this point the Configure APB Readers Dialog will appear as shown in Figure 65. When you are done click on the **Ok** button.
8. Once completed, you will see the APB area defined by blue lines as shown in Figure 66. In addition the APB area will appear in the Configured APB Zone list.
9. To configure the readers you can click on the Right Mouse Button while over the item in the list or while the mouse is over the APB Area on the map. A context menu will appear as shown in Figure 67. Choose the **Configure APB Readers** menu choice and the Configure APB Readers Dialog will appear as shown in Figure 65.
10. To delete an APB Area click the right mouse button over the item in the Configured APB Zone list and a context menu will appear as shown in Figure 68. Click on the **Delete APB** menu choice and the APB will be removed.

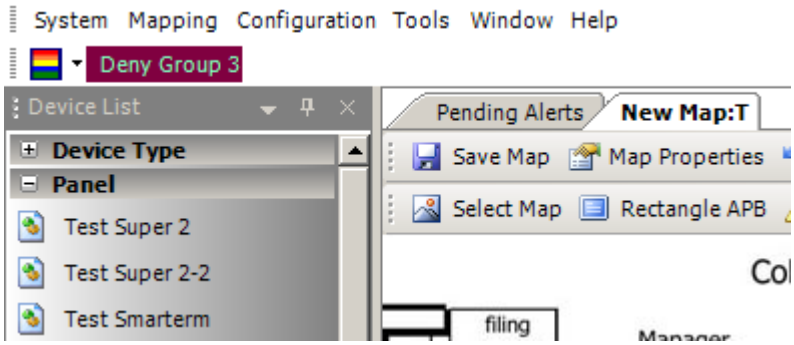

Figure 62

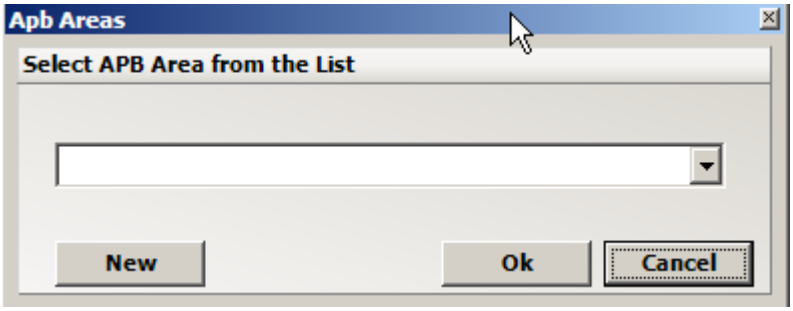

Figure 63

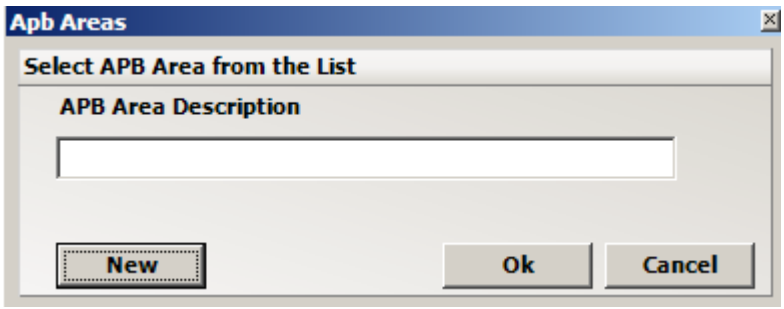

Figure 64

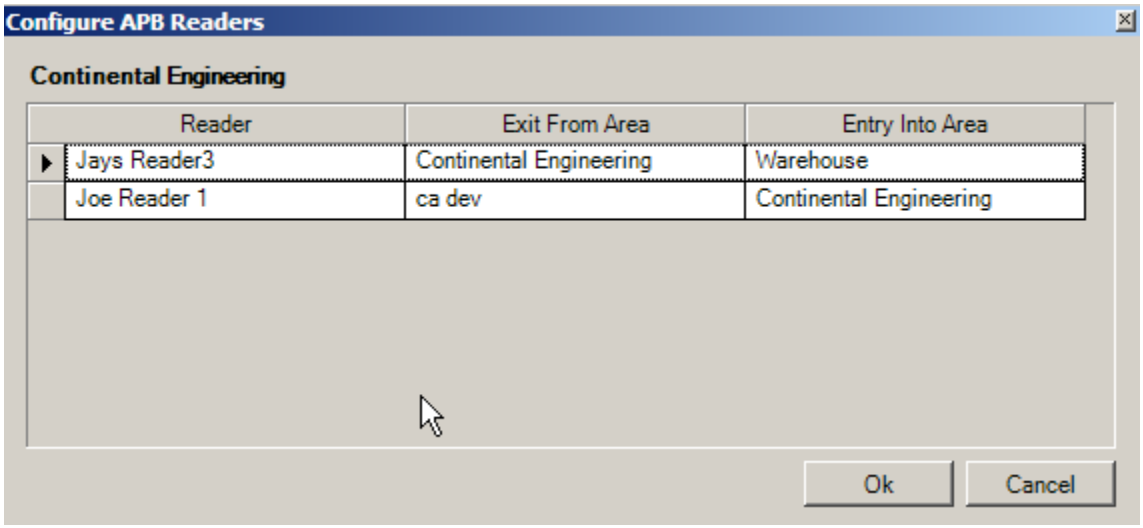

Figure 65

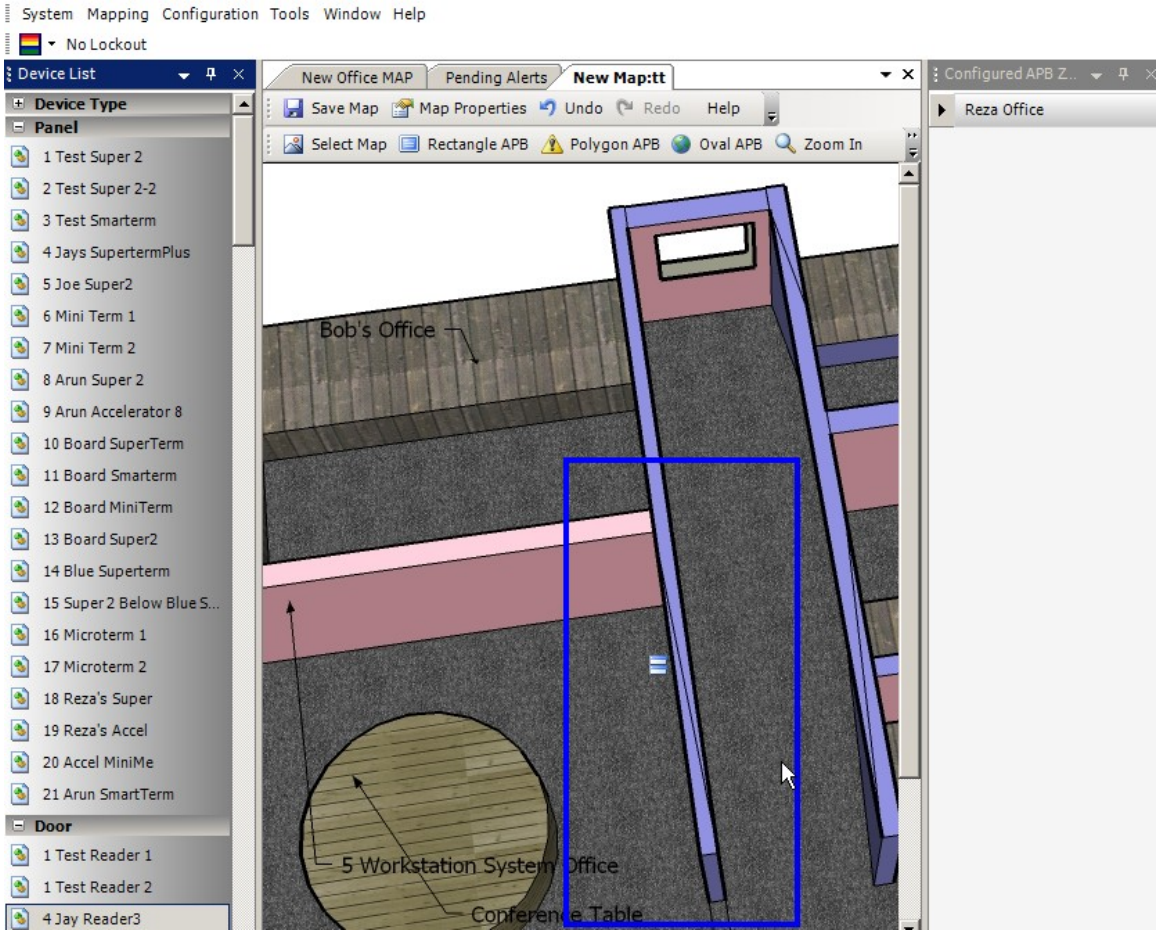

Figure 66

Figure 67

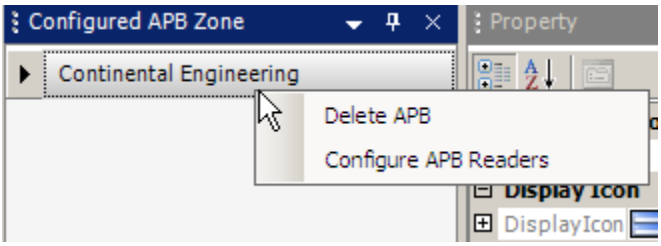

Figure 68

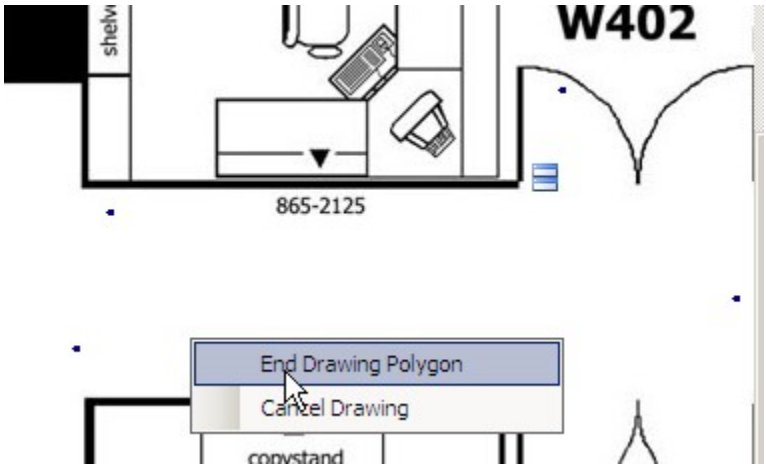

Figure 69

To close the map configuration window, right click on the tab with the name of the new map and a menu will appear as shown in Figure 46. Click on the **Close** menu choice and the screen will close.

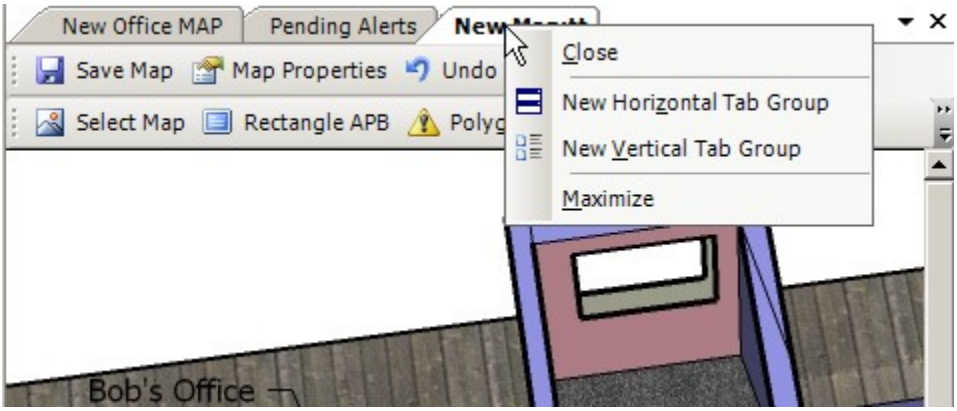

Figure 46

Edit Map

To edit an existing map click on the **Configuration** menu and click on the **Edit Map** menu item as shown in Figure 47.

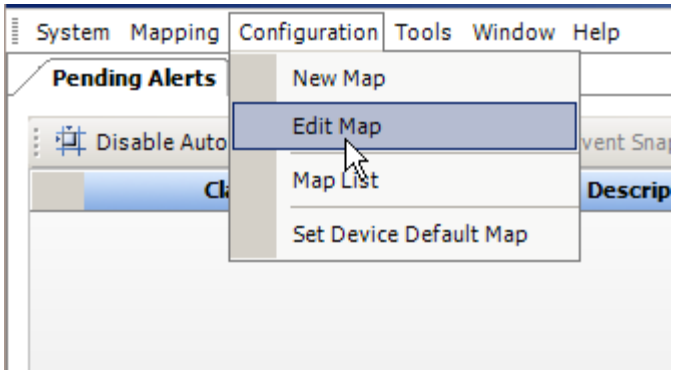

Figure 47

The Select Map dialog box will appear and you can select the map that you wish to modify. Click the **Ok** button to continue or click on the **Cancel** button to not make modifications.

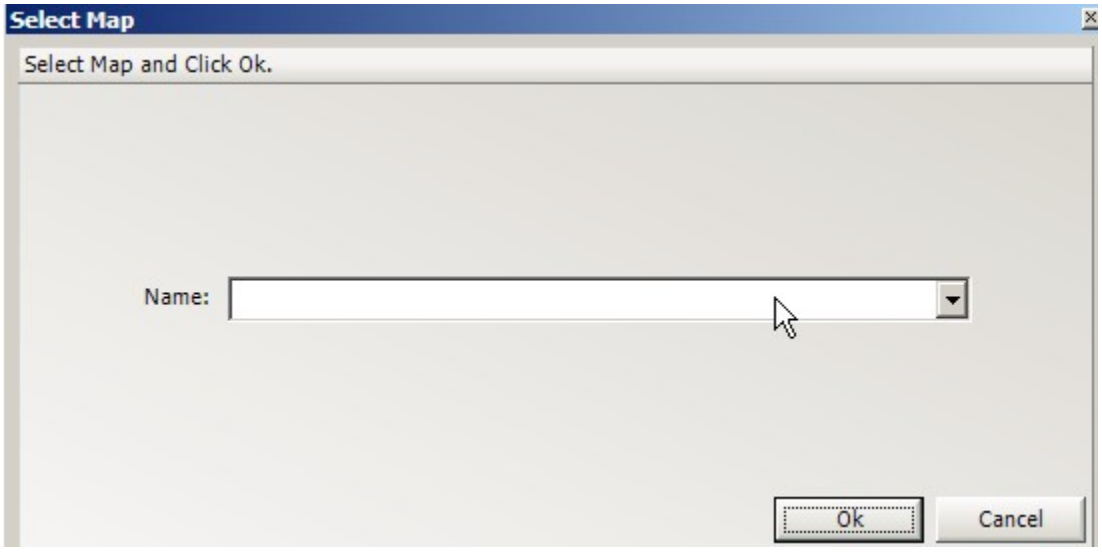

Figure 48

After selecting a map and clicking on the **Ok** button, the map configuration screen will appear and you can modify the map as shown in Figure 49.

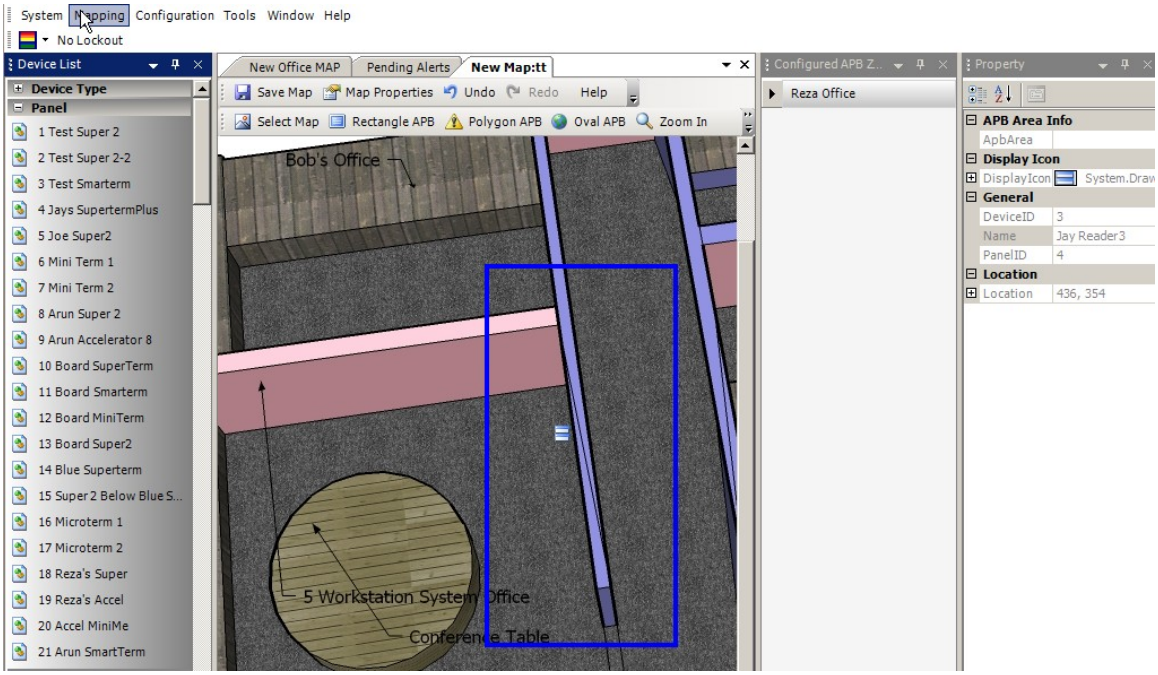

Figure 49

When the map is complete, click on the **Save Map** button to save all of the changes made to the map.

To close the map configuration window, right click on the tab, with the name of the new map, and a menu will appear as shown in Figure 50. Click on the **Close** menu choice and the screen will close.

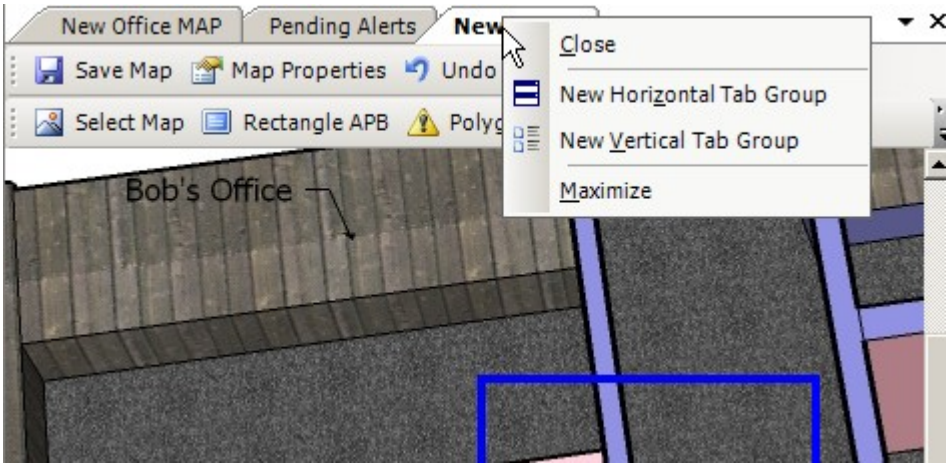

Figure 50

Map List

To manage all of the maps configured in the system, click on the **Configuration** menu and the **Map List** menu item as shown in Figure 51.

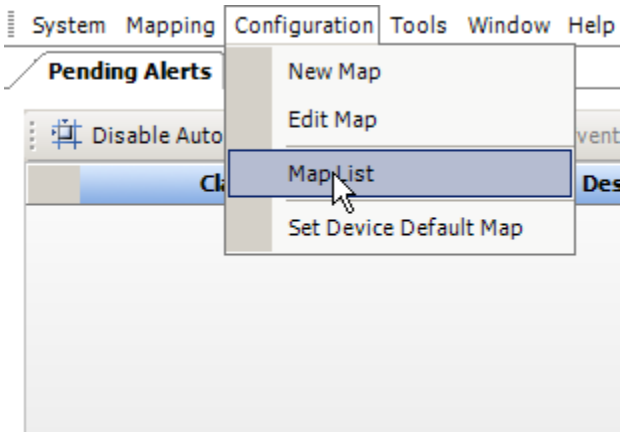

Figure 51

The map browser screen will appear as shown in Figure 52, showing a list of all of the maps configured in the system. The **Map Task** menu will be in the left portion of the screen. You can create, edit, delete, and monitor the selected map by choosing the appropriate task from the menu.

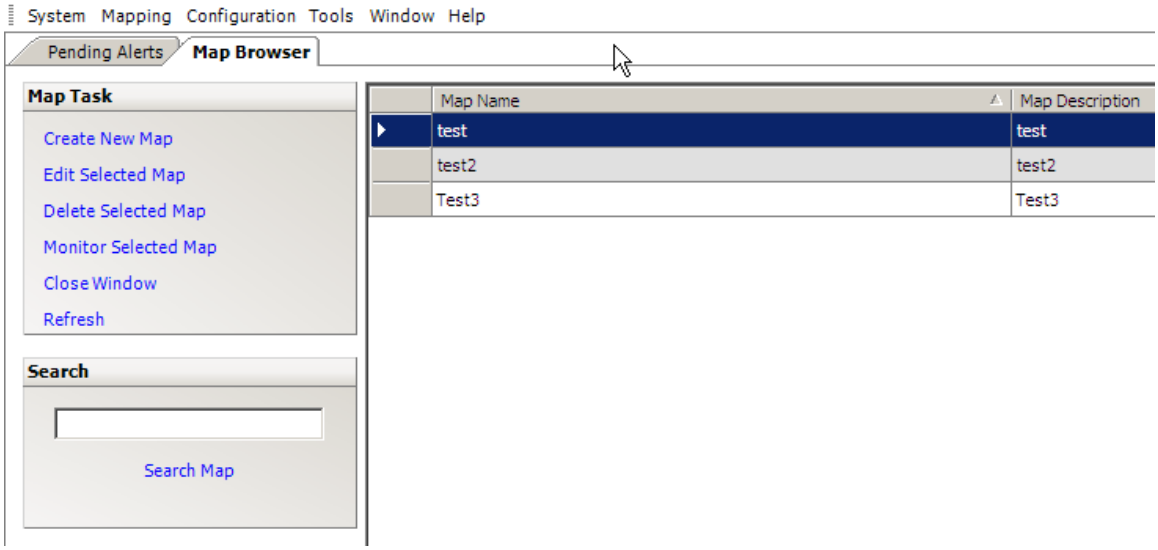

Figure 52

If you wish to search for a map, enter the name in the search box and click on the **Search Map** button. All maps matching the name entered will display in the list. To display all maps, search on a blank name.

To close the Map Browser window, click on the **Close Window** button in the Map Task menu.

Set Device Default Map

When a Real-Time alert is received on the Pending Alert screen, the default map for the device generating the alert, will display in the lower portion. To set the default map for a device, click on the **Configuration** menu and the **Set Device Default Map** menu item as shown in Figure 53.

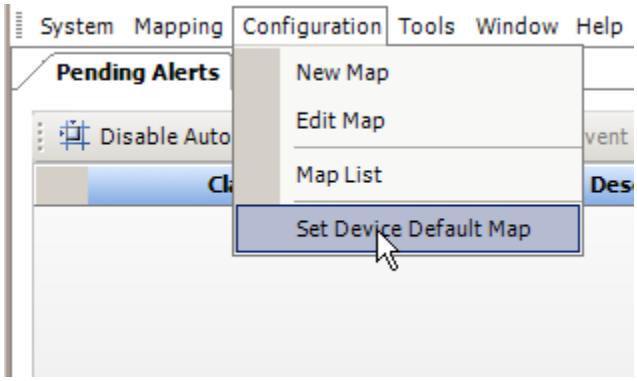

Figure 53

The Set Default Map screen will appear as shown in Figure 54. On the left is a list of device types. The grid will display all of the devices for the selected device type. The **Map Name** column, will display the name of the default map for the device.

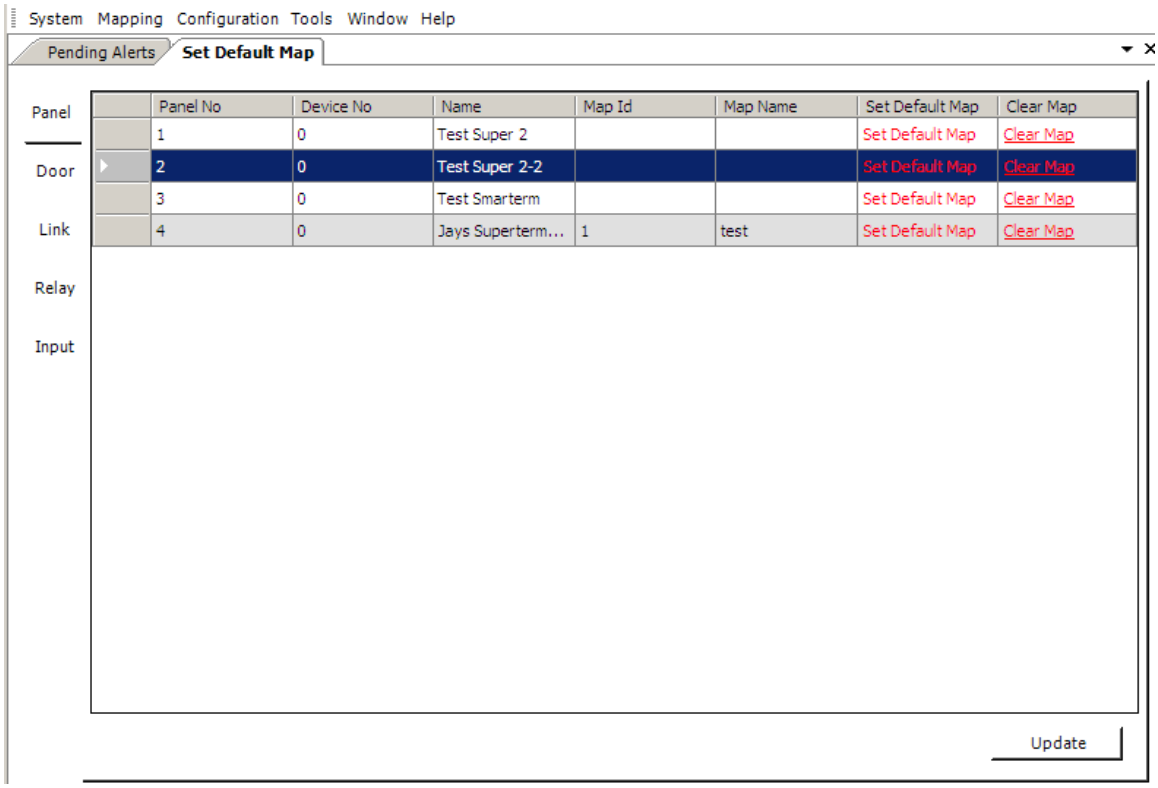

Figure 54

To set a default map for a device, click on the **Set Default Map** button in the row for the device. To clear the default map for a device, click on the **Clear Map** button in the row for the device.

When all changes have been made, click on the **Update** button.

To close the Set Default Map window, right click on the tab, and a menu will appear as shown in Figure 55. Click on the **Close** menu choice and the screen will close.

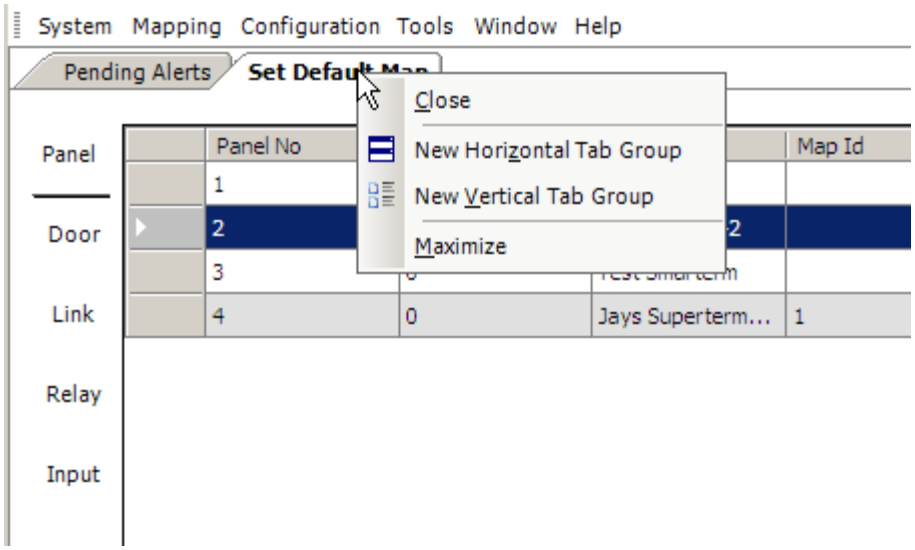

Figure 55

Customize Icon

To customize the icons used to display Real-Time alerts, click on the **Tools** menu and the **Customize Icon** menu item as shown in Figure 57.

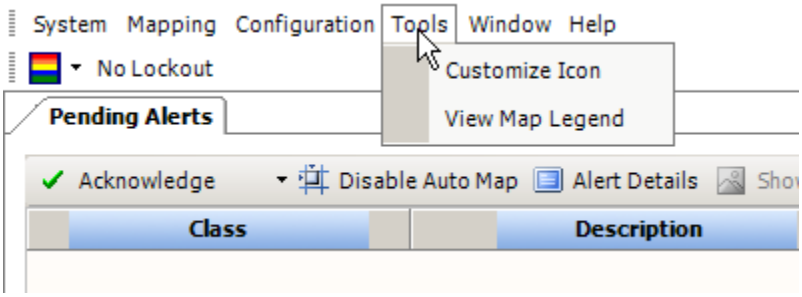

Figure 57

The Customize Icon screen will appear as shown in Figure 58. On the left is a list of device types. The grid will display all of the events for the selected device and the associated icon to be displayed on the map.

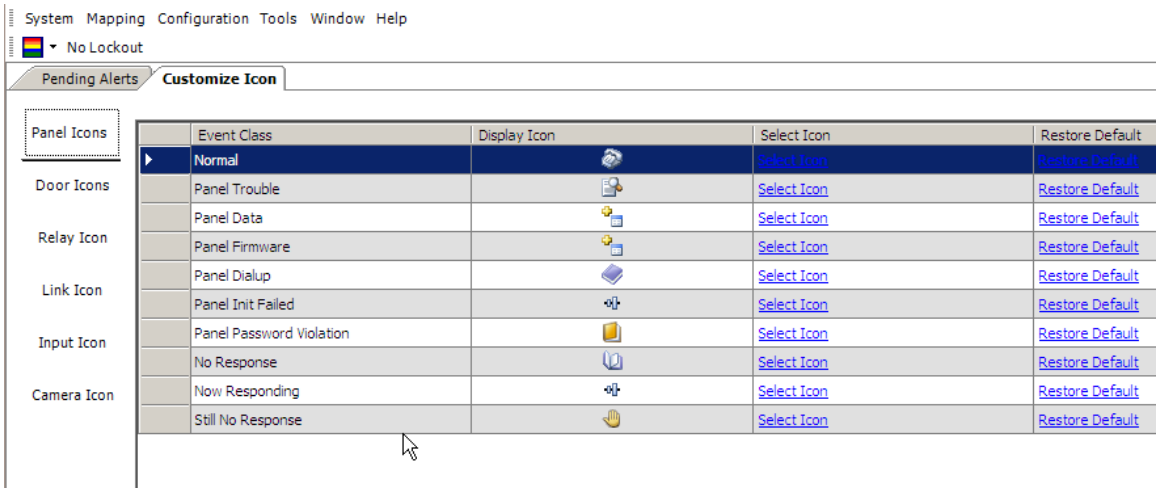

Figure 58

To select a custom icon click on the **Select Icon** button in the row for event you wish to change the icon for. An open file dialog will appear as shown in Figure 59. Supported file formats are ICO, JPEG, BMP, TIFF and GIF. Supported sizes are 16x16, 24x24, 32x32 and 48x48.

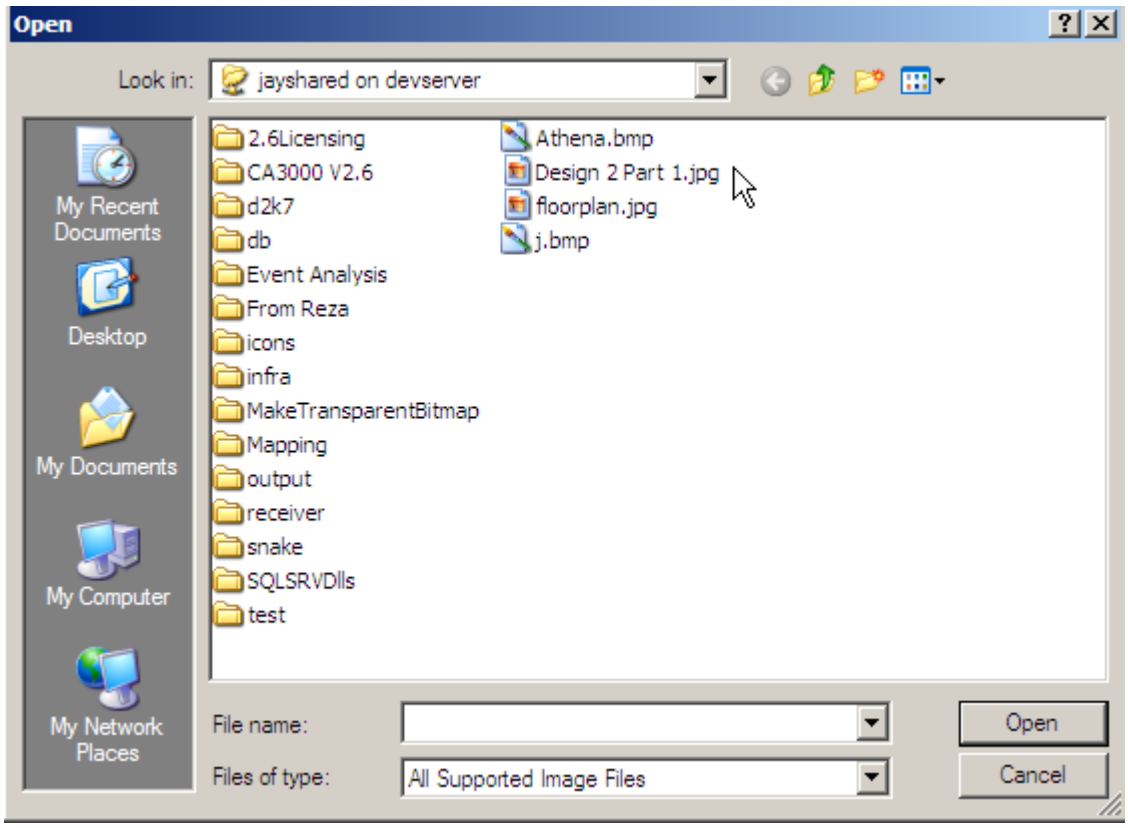

Figure 59

Choose a file and click on the **Open** button. The new icon will display on the screen.

To restore the default icon, click on **Restore Default** button and icon will be restored.

When all changes have been made, click on the **Apply Changes** button to save the changes. To undo the changes click on the **Reject Changes** button.

To close the Customize Icon screen, click on the **Close** button.

View Map Legend

To view a legend of the different events and their associated icon, click on the **Tools** menu and click on the **View Map Legend** menu item as shown in Figure 60.

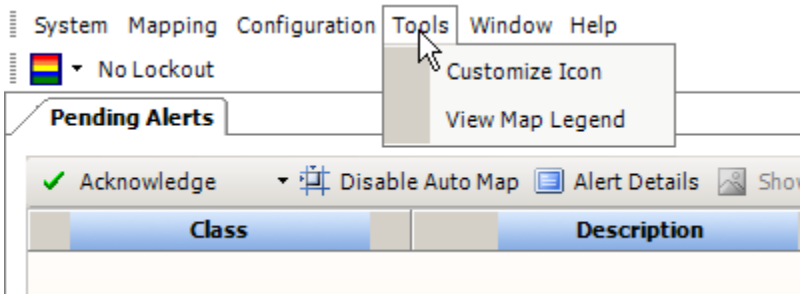

Figure 60

The Map Legend screen will appear on the right side of the screen as shown in Figure 61. Each event type will display with the icon that will be used to
show a Real-Time alert on the map.

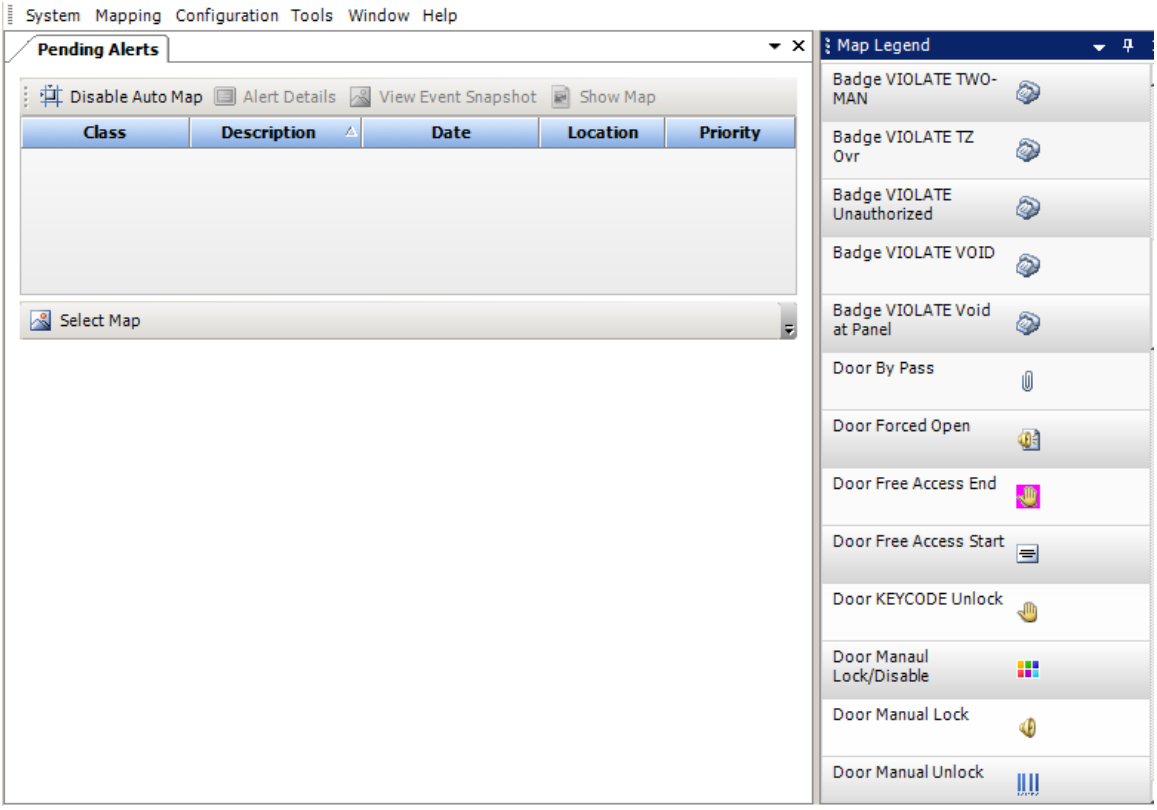
System Mapping Configuration Tools Window Help
Pending Alerts
Disable Auto Map
Alert Details
View Event Snapshot
Show Map
Class
Description
Date
Location
Priority
Select Map
Map Legend
Badge VIOLATE TWO-MAN
Badge VIOLATE TZ Ovr
Badge VIOLATE Unauthorized
Badge VIOLATE VOID
Badge VIOLATE Void at Panel
Door By Pass
Door Forced Open
Door Free Access End
Door Free Access Start
Door KEYCODE Unlock
Door Manaul Lock/Disable
Door Manual Lock
Door Manual Unlock

Figure 61